S6270-1

Ohio Labor Market Information

Labor Market Review

November 1990

Summary. Ohio's seasonally adjusted unemployment rate dropped from 5.9 percent in October to 5.5 percent in November 1990. The U.S. rate rose from 5.7 percent to 5.9 percent over the month. Total employment in Ohio, at 5,145,000 in November, was unchanged from October. There were 297,000 jobless Ohioans in November, down 28,000 from October. Declines in durable-goods manufacturing industries lowered nonagricultural employment (seasonally adjusted) 8,000 from October to 4,936,000 in November. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries was down 12,000 from October to 1,324,000 in November. Layoffs in transportation equipment were chiefly responsible for the reduction, although nearly all durable-goods industries had lower employment. The only manufacturing industry to show an increase was paper and allied products which rose 1,000. General building contractors and special trades contractors each added 1,000 jobs, raising construction employment to 200,000. Mining employment was unchanged at 18,000.

Service-Producing Industries. There were 3,612,000 people employed in service-producing industries in November, up 4,000 from October. Retail trade and services each increased 2,000 over the month. Transportation and public utilities and wholesale trade were up 1,000 apiece. Employment in finance, insurance, and real estate was little changed from October. Government employment declined 1,000.

Over the Year. Ohio's unemployment rate decreased from 6.2 percent in November 1989 to 5.5 percent in November 1990. The national rate rose from 5.3 percent to 5.9 percent during the same period. Total employment in Ohio was up 64,000 from November 1989, while total unemployment was 37,000 lower. Nonfarm payroll employment increased 86,000 over the year. Services added 46,000 jobs, especially in business and health services. Retail trade was up 22,000, while government advanced 14,000 over the year. Wholesale trade, construction, transportation and public utilities, and finance, insurance, and real estate had small gains from their November 1989 levels. Declines in industrial machinery and equipment, electronic and other electric equipment, and transportation equipment helped to lower manufacturing employment 12,000 over the year. Mining employment was virtually unchanged.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $547.41 per week for a 42.6 hour workweek in November, unchanged from October. Increases in earnings occurred in preserved fruits and vegetables, aircraft and parts, and fabricated structural metal products. Sizable decreases in earnings were noted in motor vehicles and equipment, miscellaneous plastics products, metal forgings and stampings, and refrigeration and service machinery.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Benefits and Costs. There were 93,512 initial claims filed under the Ohio Unemployment Compensation Law in November, up 31.7 percent from October, and up 23.3 percent from November 1989. Total benefits paid rose 20.8 percent to $55.8 million. The average weekly benefit check of $172.22 was $1.20 higher than in October. The average weekly number of benefit recipients, at 71,653, increased 16.8 percent. At the end of November, there were 207,403 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services aided 28,229 new job applicants in November, down 15.4 percent from October, and down 13.8 percent from November 1989. The Employment Services Division made 16,479 job referrals in November, down 30.0 percent from October. Total placements dropped 34.7 percent over the month to 3,401.

Collection Method Alternatives
For the *Report on Employment, Payroll, and Hours*

Service-sector employers of one hundred or more workers will soon be given the opportunity to report their monthly data by telephone at a convenient, prearranged time. Interviewers will telephone employers once each month to collect data, doing away with the familiar but less efficient mailed shuttle schedule.

If you are a large employer in services, information on this pilot project will be reaching your mailbox in the near future.

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Ohio

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Nov. 1990	Oct. 1990	Nov. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,442	5,470	5,415	-28	27	-.5	.5
Employment	5,145	5,145	5,081	0	64	.0	1.3
Unemployment	297	325	334	-28	-37	-8.6	-11.1
Unemployment Rate	5.5	5.9	6.2				
Employer Survey Data[e]							
Total	4,936	4,944	4,850	-8	86	-.2	1.8
Goods-Producing Industries	1,324	1,335	1,332	-12	-8	-.9	-.6
Mining	18	18	18	0	0	-.8	-1.7
Coal Mining	7	7	7	0	0	.1	-1.8
Oil and Gas Extraction	5	6	6	0	0	-2.8	-4.1
Construction	200	198	196	2	4	1.1	2.1
General Building Contractors	47	46	47	1	0	1.3	.2
Heavy Construction, Except Building	23	23	23	0	-1	1.2	-2.2
Special Trade Contractors	130	129	126	1	5	.9	3.7
Manufacturing	1,106	1,120	1,119	-13	-12	-1.2	-1.1
Durable Goods	732	743	747	-12	-15	-1.6	-2.1
Lumber and Wood Products	23	23	23	0	1	.2	3.8
Furniture and Fixtures	15	15	16	0	0	.5	-.7
Stone, Clay, and Glass Products	45	45	45	-1	0	-1.2	-1.1
Primary Metal Industries	101	101	101	-1	0	-.5	-.3
Fabricated Metal Products	133	135	135	-2	-2	-1.2	-1.8
Industrial Machinery and Equipment	163	164	167	-1	-4	-.7	-2.2
Electronic and Other Electric Equipment	75	77	79	-1	-4	-1.8	-5.2
Transportation Equipment	136	142	139	-7	-3	-4.6	-2.2
Instruments and Related Products	25	25	27	0	-1	-.6	-5.5
Nondurable Goods	375	376	372	-2	3	-.4	.8
Food and Kindred Products	65	65	64	0	1	-.7	1.5
Apparel and Other Textile Products	15	15	15	0	0	-1.2	-.7
Paper and Allied Products	38	38	38	1	1	1.5	1.6
Printing and Publishing	76	76	74	0	2	.1	2.5
Chemicals and Allied Products	67	67	66	0	1	.0	2.3
Rubber and Misc. Plastics Products	95	97	97	-1	-2	-1.5	-1.7
Service-Producing Industries	3,612	3,609	3,518	4	95	.1	2.7
Transportation and Public Utilities	220	219	217	1	3	.2	1.2
Transportation	130	130	127	1	4	.4	2.8
Communications, Electric, Gas Services	89	90	90	0	-1	-.1	-1.0

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Nov. 1990	Oct. 1990	Nov. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	274	273	267	1	6	.2	2.4
Wholesale Trade-Durable Goods	173	173	169	0	4	.2	2.1
Wholesale Trade-Nondurable Goods	101	100	98	0	3	.4	2.9
Retail Trade	939	937	916	2	22	.2	2.4
Building Materials and Garden Supplies	36	36	35	0	1	.2	2.9
General Merchandise Stores	126	127	126	-1	-1	-.5	-.5
Food Stores	144	144	142	1	2	.5	1.8
Automotive Dealers and Service Stations	102	102	100	0	2	-.1	1.7
Apparel and Accessory Stores	54	53	49	0	4	.7	8.4
Furniture and Homefurnishings Stores	34	34	32	0	2	.4	4.8
Eating and Drinking Places	318	317	313	1	5	.3	1.7
Miscellaneous Retail	125	125	118	0	7	.0	5.7
Finance, Insurance, and Real Estate	257	258	255	0	3	.0	1.1
Finance	121	121	120	0	1	.0	.9
Depository Institutions	91	91	91	0	0	-.1	.1
Insurance	92	92	92	0	1	.0	.6
Real Estate	44	44	43	0	1	-.1	2.8
Services	1,198	1,196	1,152	2	46	.2	4.0
Hotels and Other Lodging Places	39	39	38	0	1	-.2	2.2
Personal Services	55	55	54	0	1	.2	1.2
Business Services	221	220	207	1	13	.5	6.5
Amusements, Including Motion Pictures	60	61	54	-1	7	-1.0	12.2
Health Services	401	401	389	0	12	.1	3.1
Legal Services	31	30	29	0	2	.5	5.3
Educational Services	61	61	60	0	1	.0	1.5
Social Services	77	76	74	0	3	.2	3.7
Membership Organizations	80	81	79	0	1	-.1	1.4
Engineering and Management Services	90	89	86	0	3	.5	3.7
Government	724	725	710	-1	14	-.1	2.0
Federal Government	94	94	97	0	-3	-.3	-2.7
State Government	165	165	159	0	5	-.2	3.4
State Government Education	87	87	83	0	4	-.5	4.5
Local Government	465	465	454	0	12	-.1	2.5
Local Government Education	272	273	266	0	6	-.2	2.3

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March
5,417	5,098	319	5.9	5.4	April
5,428	5,107	321	5.9	5.3	May
5,419	5,135	284	5.2	5.2	June
5,411	5,104	307	5.7	5.5	July
5,446	5,174	272	5.0	5.6	August
5,450	5,166	284	5.2	5.7	September
5,470	5,145	325	5.9	5.7	October
5,442	5,145	297	5.5	5.9	November

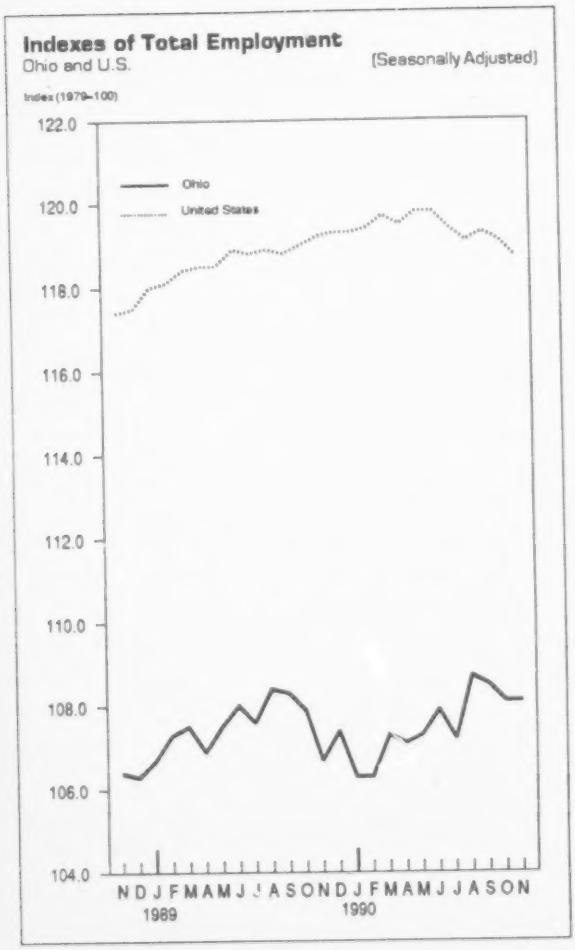
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

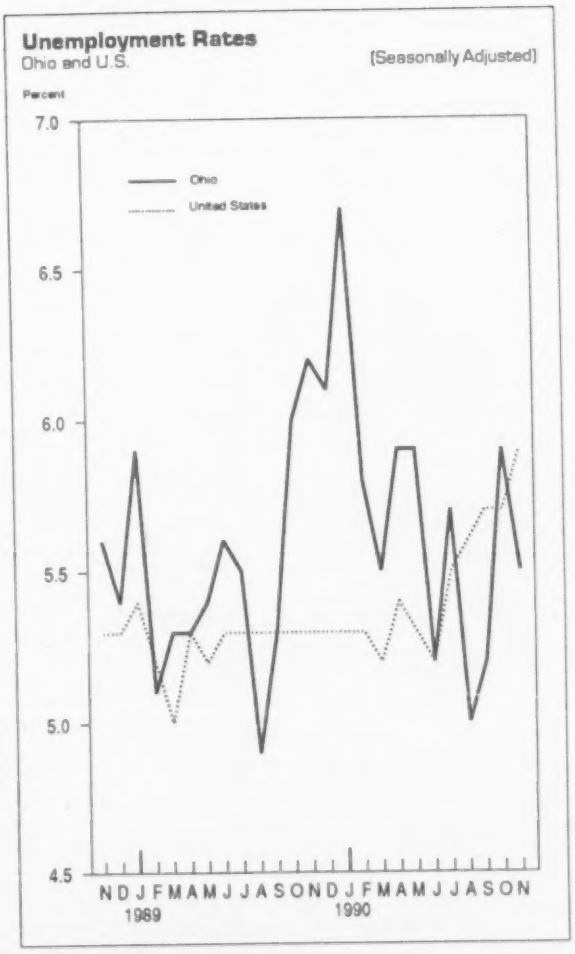
Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1988
4,745	1,325	18	186	1,121	November
4,761	1,329	18	188	1,123	December
					1989
4,775	1,338	18	191	1,128	January
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,791	1,336	18	193	1,125	April
4,795	1,332	18	190	1,125	May
4,809	1,335	18	192	1,126	June
4,809	1,325	15	192	1,118	July
4,828	1,335	18	193	1,124	August
4,835	1,334	18	193	1,122	September
4,834	1,324	18	194	1,112	October
4,850	1,332	18	196	1,119	November
4,862	1,334	18	197	1,119	December
					1990
4,848	1,312	18	198	1,097	January
4,892	1,341	18	199	1,124	February
4,905	1,340	18	200	1,122	March
4,904	1,340	18	199	1,122	April
4,917	1,337	18	198	1,121	May
4,928	1,341	18	199	1,124	June
4,928	1,334	18	198	1,118	July
4,938	1,338	18	200	1,120	August
4,936	1,335	18	199	1,117	September
4,944	1,335	18	198	1,120	October
4,936	1,324	18	200	1,106	November

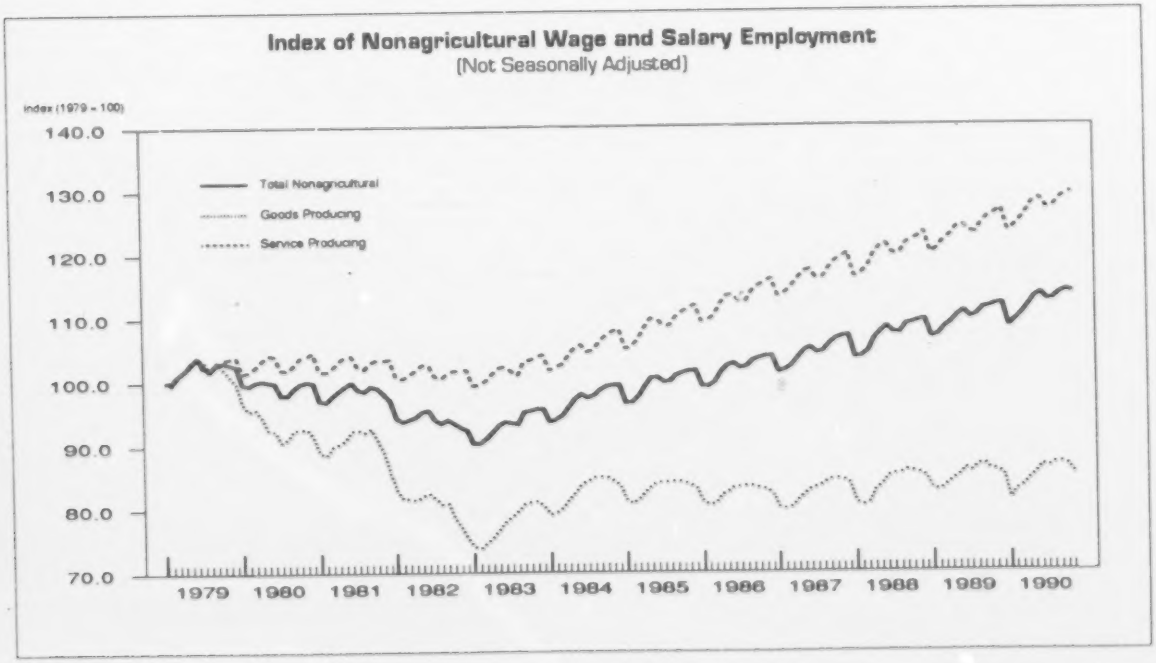
Service–Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	718
3,564	218	April	270	932	257	April	1,168	719
3,580	218	May	271	933	257	May	1,172	728
3,587	219	June	272	937	257	June	1,177	725
3,594	218	July	273	937	257	July	1,182	726
3,601	218	August	274	939	257	August	1,189	724
3,602	220	September	274	938	257	September	1,191	723
3,609	219	October	273	937	258	October	1,196	725
3,612	220	November	274	939	257	November	1,198	724

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
122.0
120.0
118.0
116.0
114.0
112.0
110.0
108.0
106.0
104.0
Ohio
United States
N D J F M A M J J A S O N D J F M A M J J A S O N
1989
1990


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
7.0
6.5
6.0
5.5
5.0
4.5
Ohio
United States
N D J F M A M J J A S O N D J F M A M J J A S O N
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
3,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September
5,493	5,187	306	5.6	5.4	October
5,463	5,176	287	5.3	5.8	November

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,484.8	1,596.8	31.6	182.9	1,382.3	1979
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.2	1,333.9	17.8	193.1	1,123.0	1989
					1989
4,900.8	1,346.8	18.3	205.5	1,123.0	November
4,909.6	1,335.6	18.1	195.8	1,121.7	December
					1990
4,752.1	1,275.5	17.6	170.6	1,087.3	January
4,790.2	1,297.3	17.3	166.2	1,113.8	February
4,834.5	1,307.0	17.5	174.7	1,114.8	March
4,889.3	1,324.4	17.7	188.3	1,118.4	April
4,949.2	1,338.0	18.0	199.6	1,120.5	May
4,977.7	1,357.5	18.4	209.5	1,129.7	June
4,934.0	1,353.1	18.5	216.6	1,118.1	July
4,938.2	1,361.9	18.4	219.9	1,123.6	August
4,979.9	1,363.2	18.3	218.5	1,126.4	September
4,996.7	1,358.3	18.2	215.7	1,124.4	October
4,987.4	1,338.5	18.0	209.9	1,110.7	November

Service-Producing Employment

(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,527.5	215.0	March	267.7	906.6	255.0	March	1,147.7	735.5
3,564.8	216.5	April	269.5	922.0	255.5	April	1,167.6	733.7
3,611.1	218.6	May	271.5	936.7	256.8	May	1,180.4	747.2
3,620.2	220.7	June	274.0	945.9	259.3	June	1,196.9	723.4
3,580.9	220.9	July	275.0	943.7	260.4	July	1,199.6	681.2
3,576.4	221.1	August	274.6	948.3	260.4	August	1,202.5	669.5
3,616.7	222.3	September	273.7	945.6	258.3	September	1,208.9	707.9
3,638.4	222.0	October	274.4	944.0	257.6	October	1,204.2	736.2
3,648.8	222.0	November	275.0	956.1	257.2	November	1,197.2	741.4

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.8	745.8	368.0	February	761.0	394.7	31.9
1,114.8	746.1	368.7	March	761.9	403.1	32.2
1,118.4	748.5	369.9	April	765.2	395.7	31.8
1,120.5	749.3	371.2	May	766.2	415.5	32.8
1,129.7	754.2	375.5	June	772.7	423.3	33.2
1,118.1	743.4	374.6	July	759.6	404.2	32.1
1,123.6	746.6	377.0	August	765.3	410.8	32.4
1,126.4	746.3	380.1	September	768.5	427.9	33.2
1,124.4	745.1	379.3	October	767.0	419.9	32.7
1,110.7	734.1	376.6	November	754.5	413.0	32.1

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$ 7.84	$ 8.06	$ 7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
511.98	524.15	485.72	January	42.0	42.1	41.8	January	12.19	12.45	11.62
518.72	536.36	478.67	February	41.9	42.2	41.3	February	12.38	12.71	11.59
529.17	548.26	483.89	March	42.3	42.6	41.5	March	12.51	12.87	11.66
517.09	534.18	478.06	April	41.5	41.7	41.0	April	12.46	12.81	11.66
542.28	564.19	493.08	May	42.8	43.2	42.0	May	12.67	13.06	11.74
547.82	571.14	497.12	June	43.0	43.4	42.2	June	12.74	13.16	11.78
532.14	550.35	491.99	July	42.2	42.4	41.8	July	12.61	12.98	11.77
536.78	555.93	493.92	August	42.4	42.6	42.0	August	12.66	13.05	11.76
556.85	581.16	504.38	September	43.2	43.5	42.6	September	12.89	13.36	11.84
547.41	571.43	496.78	October	42.6	42.9	42.1	October	12.85	13.32	11.80
547.41	569.28	501.83	November	42.6	42.9	42.1	November	12.85	13.27	11.92

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.6	100.8	134.9	April	166.6	78.3	142.4	April	62.5	74.8	96.2
45.7	101.2	135.3	May	167.0	77.8	142.1	May	62.6	75.4	96.7
46.6	101.7	136.8	June	167.3	77.7	143.3	June	63.7	75.9	97.7
46.3	99.4	135.4	July	166.9	77.4	137.3	July	63.8	76.3	95.8
46.4	100.6	135.2	August	165.6	77.0	141.5	August	64.7	76.5	96.9
46.2	102.0	135.9	September	165.1	76.8	140.0	September	67.4	76.5	97.3
46.1	101.2	134.9	October	164.3	76.7	141.7	October	66.3	76.5	97.4
45.4	100.4	133.7	November	163.4	75.6	136.0	November	64.7	76.9	95.9

Average Weekly Earnings of Production Workers

$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	562.42	477.76	767.45	September	492.59	487.62	461.58
492.26	666.45	539.33	October	558.54	472.73	740.44	October	475.45	484.41	456.20
485.52	666.77	534.25	November	558.11	475.78	735.68	November	499.10	488.81	443.22

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	4987.4	4996.7	4900.8	-9.3	86.6
Goods-Producing Industries	1338.5	1358.3	1346.8	-19.7	-8.2
Mining	18.0	18.2	18.3	-.2	-.3
Coal Mining	7.4	7.4	7.5	.0	-.1
Oil and Gas Extraction	5.5	5.6	5.8	-.1	-.2
Construction	209.9	215.7	205.5	-5.8	4.4
General Building Contractors	48.6	49.1	48.5	-.5	.1
Nonresidential Building Construction	24.3	24.4	24.7	-.1	-.4
Heavy Construction, Except Building	24.8	27.3	25.4	-2.5	-.6
Highway and Street Construction	8.5	9.6	9.3	-1.2	-.8
Special Trade Contractors	136.5	139.4	131.7	-2.9	4.8
Manufacturing	1110.7	1124.4	1123.0	-13.7	-12.3
Durable Goods[f]	734.1	745.1	749.5	-11.0	-15.4
Lumber and Wood Products	23.7	23.9	22.8	-.2	.9
Millwork, Plywood and Structural Members	10.6	10.6	10.4	.0	.2
Furniture and Fixtures	15.5	15.5	15.6	.0	-.1
Stone, Clay, and Glass Products	45.4	46.1	45.9	-.7	-.5
Primary Metal Industries	100.4	101.2	100.8	-.8	-.4
Blast Furnace and Basic Steel Products	47.2	47.0	45.5	.2	1.7
Iron and Steel Foundries	19.7	19.8	20.4	-.1	-.7
Nonferrous Rolling and Drawing	15.5	16.3	17.0	-.8	-1.6
Nonferrous Foundries	10.7	10.7	10.5	-.1	.2
Fabricated Metal Products	133.7	134.9	136.2	-1.2	-2.5
Fabricated Structural Metal Products	30.4	30.6	30.5	-.2	-.1
Metal Forgings and Stampings	38.6	39.0	39.3	-.4	-.7
Industrial Machinery and Equipment	163.4	164.3	167.1	-.9	-3.7
Construction and Related Machinery	13.5	13.6	14.2	-.1	-.7
Metalworking Machinery	47.0	47.1	47.6	-.1	-.6
Special Industry Machinery	16.3	16.7	17.1	-.4	-.8
General Industrial Machinery	26.1	26.1	26.3	.0	-.2
Computer and Office Equipment	10.8	10.9	11.3	-.1	-.5
Refrigeration and Service Machinery	14.6	14.8	15.9	-.2	-1.3
Electronic and Other Electric Equipment	75.6	76.7	79.6	-1.1	-4.0
Electrical Industrial Apparatus	12.3	12.3	12.6	.1	-.3
Household Appliances	14.6	15.0	15.4	-.4	-.8
Electric Lighting and Wiring Equipment	15.9	16.2	16.7	-.3	-.8
Electronic Components and Accessories	11.1	11.2	11.6	-.1	-.5
Transportation Equipment	136.0	141.7	139.0	-5.7	-3.0
Motor Vehicles and Equipment	91.0	96.5	93.5	-5.5	-2.5
Aircraft and Parts	36.2	36.4	36.6	-.2	-.4
Instruments and Related Products	25.5	25.6	27.0	-.1	-1.5
Measuring and Controlling Devices	15.4	15.5	16.4	-.1	-1.1
Nondurable Goods[g]	376.6	379.3	373.5	-2.7	3.1
Food and Kindred Products	64.7	66.3	63.8	-1.6	1.0
Dairy Products	11.0	11.1	10.2	-.1	.9
Preserved Fruits and Vegetables	10.7	12.1	10.9	-1.5	-.2
Bakery Products	9.7	9.8	9.6	-.1	.1
Apparel and Other Textile Products	15.4	15.5	15.5	-.1	-.1
Paper and Allied Products	38.5	38.0	37.9	.5	.6
Paperboard Containers and Boxes	14.4	14.2	13.9	.1	.4
Miscellaneous Converted Paper Products	12.3	12.1	12.0	.2	.3
Printing and Publishing	76.9	76.5	75.0	.4	1.8
Newspapers	19.5	19.5	19.0	.0	.5
Commercial Printing	28.3	28.2	27.7	.1	.5
Chemicals and Allied Products	67.1	67.1	65.6	.0	1.6
Plastics Materials and Synthetics	9.8	9.8	9.7	.0	.1
Rubber and Miscellaneous Plastics Products	95.9	97.4	97.6	-1.5	-1.6
Tires and Inner Tubes	16.1	16.1	15.5	.0	.7
Miscellaneous Plastics Products	58.3	59.4	58.9	-1.1	-.6
Service-Producing Industries	3648.8	3638.4	3554.0	10.4	94.8
Transportation and Public Utilities	222.0	222.0	219.4	-.1	2.6
Transportation	132.5	132.4	129.0	.1	3.5
Railroad Transportation	12.0	12.3	12.5	-.3	-.5
Trucking and Warehousing	79.8	79.4	77.9	.4	1.9
Transportation by Air	14.6	14.5	13.6	.2	1.1
Communications, Electric, Gas Services	89.5	89.6	90.4	-.1	-.9
Communications	46.4	46.6	47.2	-.1	-.8
Electric, Gas, and Sanitary Services	43.1	43.1	43.2	.0	-.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Wholesale Trade	275.0	274.4	268.5	.6	6.5
Wholesale Trade-Durable Goods	173.6	173.5	169.9	.1	3.7
Motor Vehicles, Parts, and Supplies	23.0	23.0	22.9	-.1	.1
Professional and Commercial Equipment	33.4	33.3	32.7	.1	.8
Metals and Minerals, Except Petroleum	11.6	11.5	11.2	.1	.4
Electrical Goods	19.0	18.9	18.8	.1	.1
Hardware, Plumbing and Heating Equipment	13.1	13.1	12.8	.0	.3
Machinery, Equipment, and Supplies	43.3	43.4	42.3	-.1	1.0
Wholesale Trade-Nondurable Goods	101.4	100.9	98.6	.5	2.8
Groceries and Related Products	33.6	33.4	32.5	.2	1.1
Retail Trade	956.1	944.0	933.3	12.2	22.8
Building Materials and Garden Supplies	36.0	36.2	35.0	-.2	1.0
Lumber and Other Building Materials	18.1	18.2	17.8	-.2	.2
General Merchandise Stores	134.9	128.2	135.6	6.8	-.7
Department Stores	109.7	104.5	110.3	5.3	-.5
Variety Stores	14.6	14.0	14.6	.6	.0
Food Stores	146.3	144.0	143.7	2.3	2.5
Grocery Stores	128.5	126.8	126.5	1.7	2.1
Automotive Dealers and Service Stations	101.8	102.7	100.1	-.9	1.7
New and Used Car Dealers	44.6	44.9	44.4	-.3	.3
Gasoline Service Stations	36.0	36.3	34.8	-.3	1.1
Apparel and Accessory Stores	55.9	53.9	51.6	2.0	4.3
Furniture and Homefurnishings Stores	34.8	34.1	33.2	.7	1.6
Eating and Drinking Places	317.3	318.9	311.9	-1.6	5.4
Miscellaneous Retail	129.3	126.1	122.3	3.1	7.0
Drug Stores and Proprietary Stores	33.3	33.0	31.8	.2	1.5
Nonstore Retailers	24.7	24.1	23.7	.6	.9
Finance, Insurance, and Real Estate	257.2	257.6	254.3	-.4	2.8
Finance	120.9	120.9	119.8	.0	1.1
Depository Institutions	90.7	90.8	90.6	-.1	.1
Commercial Banks	64.5	64.4	63.6	.0	.9
Insurance	92.6	92.6	92.0	.0	.6
Insurance Carriers	70.4	70.3	70.4	.1	.0
Life Insurance	25.9	26.0	26.0	.0	-.1
Fire, Marine, and Casualty Insurance	31.9	31.8	31.1	.1	.8
Real Estate	43.7	44.2	42.5	-.5	1.2
Services	1197.2	1204.2	1152.0	-7.0	45.1
Hotels and Other Lodging Places	38.5	39.0	37.6	-.5	.9
Personal Services	54.6	54.6	53.9	.0	.6
Business Services	223.1	224.2	209.5	-1.1	13.6
Services to Buildings	33.3	33.6	32.6	-.3	.7
Personnel Supply Services	78.6	79.2	73.3	-.6	5.3
Computer and Data Processing Services	28.6	28.5	26.2	.1	2.5
Amusements, Including Motion Pictures	52.0	57.3	46.4	-5.3	5.6
Health Services	402.3	402.3	390.0	.0	12.3
Nursing and Personal Care Facilities	87.1	87.1	84.5	.0	2.6
Hospitals	193.4	193.6	188.7	-.1	4.7
Legal Services	30.5	30.5	29.0	.1	1.5
Educational Services	67.0	65.7	66.0	1.3	1.0
Colleges and Universities	38.5	37.5	37.9	1.1	.7
Social Services	77.3	76.9	74.5	.3	2.8
Residential Care	23.5	23.5	22.4	.0	1.1
Membership Organizations	80.2	80.5	79.1	-.3	1.1
Engineering and Management Services	89.4	89.2	86.2	.2	3.2
Engineering and Architectural Services	27.4	27.4	26.2	.0	1.2
Accounting, Auditing, and Bookkeeping	21.8	21.8	21.3	.0	.5
Research and Testing Services	19.4	19.3	19.1	.1	.3
Management and Public Relations	20.8	20.7	19.7	.1	1.2
Government	741.4	736.2	726.5	5.2	15.0
Federal Government	94.0	93.9	96.6	.1	-2.7
U.S. Postal Service	33.3	33.3	34.1	.0	-.8
State Government	172.3	170.8	166.5	1.6	5.8
State Government Hospitals	15.7	15.6	15.9	0	-.2
State Government Education[h]	95.7	94.0	91.6	1.7	4.1
Local Government	475.1	471.5	463.3	3.6	11.8
Local Government Hospitals	15.2	15.2	14.8	.1	.5
Local Government Education	284.4	280.7	277.8	3.6	6.5

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov 1990[p]	Oct 1990[r]	Nov 1989[r]	Nov 1990[p]	Oct 1990[r]	Nov 1989[r]	Nov 1990[p]	Oct 1990[r]	Nov 1989[r]
Goods-Producing Industries	$567.24	$562.38	$540.99	42.3	42.0	42.1	$13.41	$13.39	$12.85
Mining									
Coal Mining	629.75	651.23	607.03	44.6	45.7	44.7	14.12	14.25	13.58
	741.15	793.07	740.93	43.7	45.5	44.5	16.96	17.43	16.65
Construction	660.14	624.68	603.34	40.8	38.8	38.9	16.18	16.10	15.51
General Building Contractors	575.64	535.83	545.29	41.0	38.8	39.6	14.04	13.81	13.77
Heavy Construction, Except Building	731.87	680.59	591.31	42.6	40.2	38.1	17.18	16.93	15.52
Special Trade Contractors	669.38	638.33	626.68	40.3	38.5	38.9	16.61	16.58	16.11
Manufacturing	547.41	547.41	526.92	42.6	42.6	42.7	12.85	12.85	12.34
Durable Goods[f]	569.28	571.43	545.24	42.9	42.9	43.0	13.27	13.32	12.68
Lumber and Wood Products	320.72	311.08	335.72	39.4	38.5	40.4	8.14	8.08	8.31
Millwork, Plywood and Structural Members	376.13	367.74	382.81	42.5	41.6	43.8	8.85	8.84	8.74
Furniture and Fixtures	403.32	400.68	389.46	42.1	42.0	41.3	9.58	9.54	9.43
Stone, Clay, and Glass Products	485.52	492.26	488.91	42.0	42.4	43.0	11.56	11.61	11.37
Primary Metal Industries	666.77	666.45	616.07	44.9	45.0	43.6	14.85	14.81	14.13
Blast Furnace and Basic Steel Products	697.23	692.94	614.47	46.7	46.6	43.0	14.93	14.87	14.29
Iron and Steel Foundries	723.86	721.60	634.51	44.6	45.1	43.4	16.23	16.00	14.62
Nonferrous Rolling and Drawing	658.12	670.71	687.74	40.4	41.3	43.2	16.29	16.24	15.92
Nonferrous Foundries	465.84	466.56	473.09	43.7	43.2	44.8	10.66	10.80	10.56
Fabricated Metal Products	534.25	539.33	512.68	42.1	42.3	42.3	12.69	12.75	12.12
Fabricated Structural Metal Products	510.34	496.22	493.29	44.3	43.3	43.5	11.52	11.46	11.34
Metal Forgings and Stampings	670.03	682.41	618.85	42.3	43.0	42.3	15.84	15.87	14.63
Industrial Machinery and Equipment	558.11	558.54	534.69	43.5	43.5	43.4	12.83	12.84	12.32
Construction and Related Machinery	446.23	453.05	460.78	39.7	40.2	41.4	11.24	11.27	11.13
Metalworking Machinery	545.46	537.14	539.40	44.6	44.1	45.1	12.23	12.18	11.96
Special Industry Machinery	510.19	510.38	529.74	43.2	43.4	45.2	11.81	11.76	11.72
General Industrial Machinery	656.71	672.67	567.38	45.7	46.2	42.5	14.37	14.56	13.35
Computer and Office Equipment	493.54	470.76	464.54	42.4	40.9	41.7	11.64	11.51	11.14
Refrigeration and Service Machinery	580.93	622.09	579.90	39.6	41.5	41.6	14.67	14.99	13.94
Electronic and Other Electric Equipment	475.78	472.73	462.31	41.3	41.0	41.5	11.52	11.53	11.14
Electrical Industrial Apparatus	451.26	456.79	447.81	41.9	42.1	43.1	10.77	10.85	10.39
Household Appliances	476.58	485.50	465.66	39.0	39.6	39.0	12.22	12.26	11.94
Electric Lighting and Wiring Equipment	497.27	495.24	474.26	40.2	40.1	40.5	12.37	12.35	11.71
Electronic Components and Accessories	351.49	343.10	339.06	41.4	40.7	41.5	8.49	8.43	8.17
Transportation Equipment	735.68	740.44	720.72	44.0	44.1	45.3	16.72	16.79	15.91
Motor Vehicles and Equipment	754.26	764.25	741.65	43.7	44.1	45.5	17.26	17.33	16.30
Aircraft and Parts	719.44	688.18	708.66	46.0	44.6	46.5	15.64	15.43	15.24
Instruments and Related Products	408.63	392.04	387.32	40.7	39.6	40.6	10.04	9.90	9.54
Measuring and Controlling Devices	387.83	380.16	381.24	38.9	38.4	40.3	9.97	9.90	9.46
Nondurable Goods[g]	501.83	496.78	484.68	42.1	42.1	42.0	11.92	11.80	11.54
Food and Kindred Products	499.10	475.45	467.58	43.1	42.3	42.2	11.58	11.24	11.08
Dairy Products	480.95	491.62	480.31	42.3	43.2	43.0	11.37	11.38	11.17
Preserved Fruits and Vegetables	543.37	489.39	491.82	43.4	41.9	42.0	12.52	11.68	11.71
Bakery Products	518.75	499.79	497.68	41.5	40.6	40.2	12.50	12.31	12.38
Apparel and Other Textile Products	317.60	335.34	298.30	39.9	41.4	38.0	7.96	8.10	7.85
Paper and Allied Products	534.61	533.57	501.78	44.7	44.8	43.9	11.96	11.91	11.43
Paperboard Containers and Boxes	463.03	479.70	437.42	43.6	45.0	42.8	10.62	10.66	10.22
Miscellaneous Converted Paper Products	513.47	502.16	462.05	45.4	44.4	44.3	11.31	11.31	10.43
Printing and Publishing	488.81	484.41	478.67	40.7	40.2	40.6	12.01	12.05	11.79
Newspapers	393.04	384.43	402.85	34.0	33.4	35.0	11.56	11.51	11.51
Commercial Printing	502.58	500.32	480.66	42.7	42.4	42.2	11.77	11.80	11.39
Chemicals and Allied Products	622.79	613.18	593.64	43.4	43.0	42.8	14.35	14.26	13.87
Plastics Materials and Synthetics	690.02	714.11	655.56	43.7	44.8	43.3	15.79	15.94	15.14
Rubber and Miscellaneous Plastics Products	443.22	456.20	440.35	40.7	41.7	41.7	10.89	10.94	10.56
Tires and Inner Tubes	700.90	688.22	700.44	43.0	42.8	44.9	16.30	16.08	15.60
Miscellaneous Plastics Products	419.60	439.67	416.98	40.0	41.4	40.8	10.49	10.62	10.22
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	643.21	630.34	596.14	42.4	41.8	41.0	15.17	15.08	14.54
Communications	589.28	576.56	572.27	40.5	39.9	40.5	14.55	14.45	14.13
Electric, Gas, and Sanitary Services	705.57	693.00	623.17	44.6	44.0	41.6	15.82	15.75	14.98
Wholesale Trade	422.48	421.50	409.11	39.3	39.1	39.3	10.75	10.78	10.41
Wholesale Trade-Durable Goods	417.76	417.98	396.87	39.3	39.1	39.1	10.63	10.69	10.15
Motor Vehicles, Parts, and Supplies	350.20	352.64	344.18	37.9	38.0	38.2	9.24	9.28	9.01
Metals and Minerals, Except Petroleum	479.83	470.08	464.03	42.5	41.6	42.3	11.29	11.30	10.97
Wholesale Trade-Nondurable Goods	430.73	427.36	428.97	39.3	39.1	39.5	10.96	10.93	10.86

See footnotes on page 13.

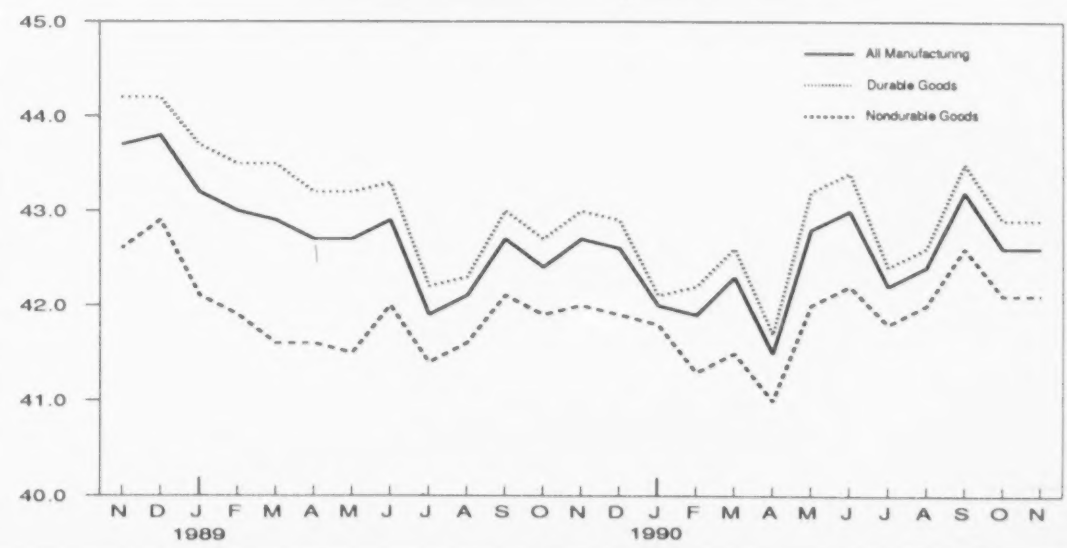
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

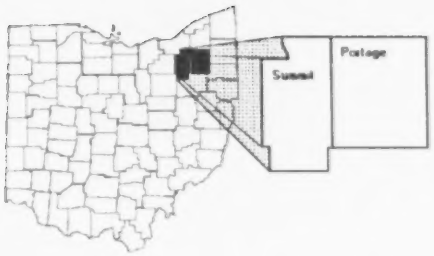
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Retail Trade[j]	$180.70	$178.94	$175.06	27.8	27.7	28.1	$ 6.50	$ 6.46	$ 6.23
General Merchandise Stores	191.76	195.68	180.76	28.2	28.4	28.2	6.80	6.89	6.41
Department Stores	193.76	199.08	183.86	28.0	28.4	28.2	6.92	7.01	6.52
Finance, Insurance, and Real Estate	353.80	352.72	347.23	....	....	....	.....	.....	.....
Finance	325.01	325.08	320.91	....	....	....	.....	.....	.....
Depository Institutions	274.86	275.90	273.72	....	....	....	.....	.....	.....
Commercial Banks	269.15	270.48	271.45	....	....	....	.....	.....	.....
Insurance	420.89	419.94	413.73	....	....	....	.....	.....	.....
Insurance Carriers	409.91	407.63	396.90	....	....	....	.....	.....	.....
Life Insurance	377.43	375.63	369.07	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	446.07	442.21	423.70	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	251.89	247.50	225.98	33.1	33.0	32.1	7.61	7.50	7.04
Health Services	323.20	321.18	305.92	32.0	31.8	31.8	10.10	10.10	9.62
Nursing and Personal Care Facilities	221.21	216.24	202.88	32.2	31.8	31.9	6.87	6.80	6.36
Hospitals	377.86	376.86	362.19	32.8	32.6	32.6	11.52	11.56	11.11
Engineering and Management Services	493.27	493.56	457.54	35.9	36.0	34.9	13.74	13.71	13.11
Engineering and Architectural Services	706.71	702.35	624.44	35.3	35.1	31.3	20.02	20.01	19.95
Research and Testing Services	384.85	386.23	379.85	35.9	36.3	36.7	10.72	10.64	10.35

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



Akron Primary Metropolitan Statistical Area

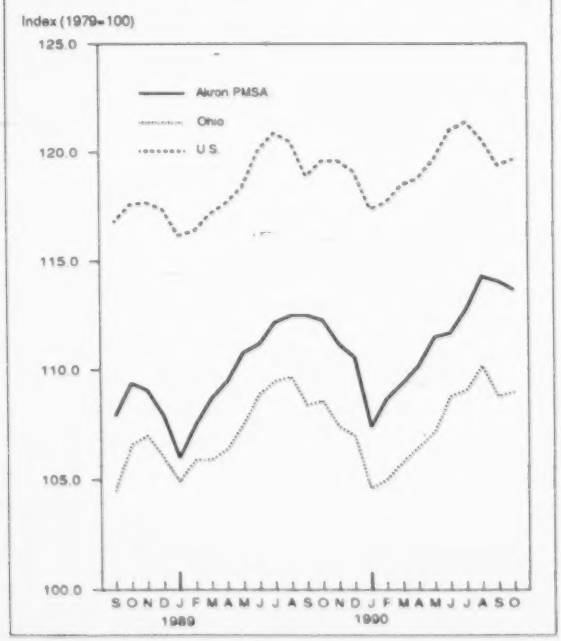


Nonfarm wage and salary employment in the Akron metropolitan area totaled 297,500 in November 1990, up 400 from October. The number of employees in service-producing industries rose 800. More business in retail trade and the settlement of a labor-management dispute in local government education more than offset seasonal declines in services. The workforce in goods-producing industries declined 400 over the month to 80,600 primarily due to layoffs in construction. Employment in the manufacturing sector was unchanged as scattered increases counterbalanced reductions in industrial machinery and equipment and rubber and miscellaneous plastics products. Factory production workers averaged $12.15 per hour, little changed from October. Their average workweek of 43.2 hours was 0.4 hours longer.

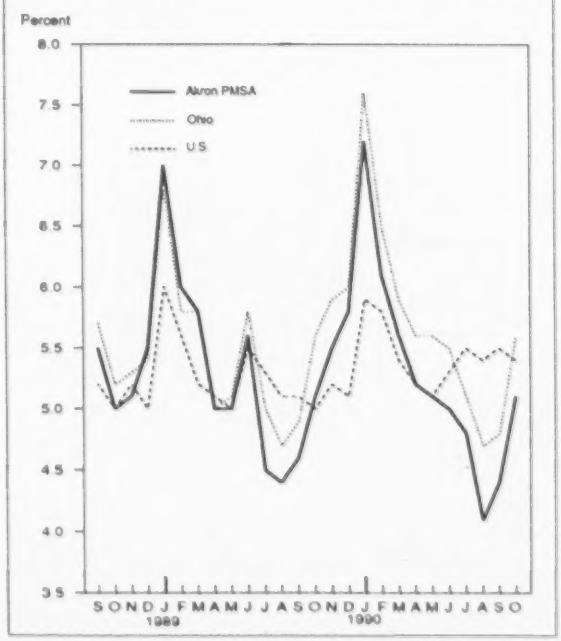
Nonagricultural payroll employment advanced 8,300 between November 1989 and November 1990. Expansion in service-producing industries created 6,600 jobs. Leading growth sectors were services (+4,300) and retail trade (+1,400). Improvements in manufacturing, especially rubber and miscellaneous plastics products, and modest gains in construction raised employment in goods-producing industries 1,700 above the year-ago level.

Seasonally adjusted employment in the Akron area increased 1,000 from October to 294,000 in November 1990, chiefly due to gains in government. Since November 1989, total payroll employment advanced 9,000. Services gained 4,000 jobs; manufacturing, transportation and public utilities, retail trade and government each added 1,000 jobs.

Indexes of Total Employment
Akron PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Akron PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$ 7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71
331.9	314.5	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61
335.2	318.2	17.0	5.1	May	293.6	67.4	38.4	516.00	43.0	12.00
335.3	318.7	16.6	5.0	June	291.1	68.0	38.8	524.36	43.3	12.11
338.0	321.8	16.2	4.8	July	290.1	67.6	38.3	509.92	42.6	11.97
340.4	326.3	14.1	4.1	August	291.2	67.9	38.6	529.40	43.5	12.17
340.4	325.5	14.9	4.4	September	297.8	68.6	39.2	529.91	43.4	12.21
341.9	324.6	17.3	5.1	October	297.1	69.1	39.6	519.16	42.8	12.13
INA	INA	INA	INA	November	297.5	69.2	39.7	524.88	43.2	12.15

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	78	10	67	May	212	13	16	57	11	70	45
291	79	10	68	June	213	14	16	57	11	71	45
291	78	10	67	July	213	14	16	57	11	71	45
293	79	10	68	August	215	14	16	57	11	71	46
293	79	10	68	September	213	14	16	57	11	71	45
293	80	10	69	October	213	14	16	57	11	72	44
294	80	10	69	November	214	14	16	57	11	72	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	297.5	297.1	289.1	.4	8.3
Goods-Producing Industries[e]	80.6	81.0	78.9	-.4	1.7
Construction	10.8	11.2	10.5	-.4	.4
Manufacturing	69.2	69.1	67.8	.0	1.4
Durable Goods[f]	35.4	35.3	35.0	.2	.4
Fabricated Metal Products	11.5	11.4	11.2	.1	.2
Fabricated Structural Metal Products	5.0	4.9	4.9	.1	.1
Industrial Machinery and Equipment	10.1	10.1	10.3	-.1	-.2
Metalworking Machinery	4.0	4.0	3.9	.1	.2
Electronic and Other Electric Equipment	2.5	2.5	2.5	.0	-.1
Transportation Equipment	4.8	4.8	4.9	.0	-.1
Nondurable Goods[g]	33.7	33.9	32.8	-.1	1.0
Food and Kindred Products	3.1	3.1	3.0	.0	.0
Chemicals and Allied Products	3.7	3.7	3.6	.0	.0
Rubber and Miscellaneous Plastics Products	20.9	21.0	20.3	-.1	.7
Tires and Inner Tubes	11.7	11.7	11.1	.0	.6
Service-Producing Industries	216.8	216.1	210.2	.8	6.6
Transportation and Public Utilities	13.6	13.7	13.3	-.1	.3
Communications, Electric, Gas Services	4.7	4.7	4.7	.0	.1
Wholesale Trade	15.8	15.9	15.8	-.1	.0
Retail Trade	58.5	57.7	57.1	.7	1.4
General Merchandise Stores	7.9	7.6	8.3	.3	-.4
Food Stores	9.5	9.2	9.4	.3	.2
Finance, Insurance, and Real Estate	10.6	10.6	10.6	-.1	.0
Finance	5.3	5.3	5.4	.0	-.1
Services	71.1	71.4	66.9	-.3	4.3
Business Services	12.3	12.2	11.6	.1	.7
Personnel Supply Services	3.2	3.2	3.3	.1	-.1
Amusements, Including Motion Pictures	6.8	7.3	5.1	-.5	1.7
Health Services	22.7	22.6	21.9	.1	.9
Nursing and Personal Care Facilities	4.0	4.0	3.9	.0	.1
Hospitals	11.2	11.1	10.9	.1	.3
Social Services	4.9	4.9	4.9	.0	.0
Engineering and Management Services	5.6	5.5	5.1	.1	.5
Government	47.3	46.7	46.6	.6	.7
Federal Government	2.5	2.5	2.4	.0	.1
State Government	18.0	17.9	17.6	.1	.4
State Government Education[h]	15.2	15.1	14.8	.1	.5
Local Government	26.8	26.3	26.6	.5	.2
Local Government Education	14.8	14.3	14.6	.5	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

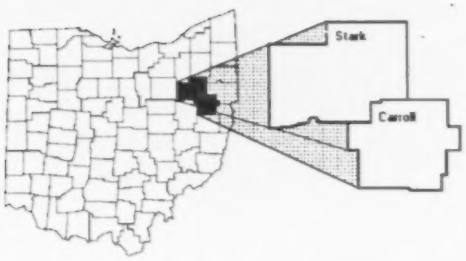
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$524.88	$519.16	$502.79	43.2	42.8	42.9	$12.15	$12.13	$11.72
Durable Goods[f]	535.05	528.84	519.39	43.5	43.1	43.5	12.30	12.27	11.94
Fabricated Metal Products	648.86	655.34	619.99	43.2	43.4	43.6	15.02	15.10	14.22
Fabricated Structural Metal Products	538.05	549.77	592.72	44.8	45.1	47.8	12.01	12.19	12.40
Industrial Machinery and Equipment	506.47	490.39	483.47	45.1	44.5	45.1	11.23	11.02	10.72
Metalworking Machinery	583.70	542.42	519.95	48.4	46.4	46.3	12.06	11.69	11.23
Electronic and Other Electric Equipment	445.63	430.97	402.62	42.2	41.4	41.0	10.56	10.41	9.82
Transportation Equipment	635.38	625.74	660.38	43.4	42.8	44.5	14.64	14.62	14.84
Nondurable Goods[g]	511.80	504.64	481.50	42.9	42.3	42.2	11.93	11.93	11.41
Food and Kindred Products	423.72	393.03	419.25	41.5	39.7	43.0	10.21	9.90	9.75
Chemicals and Allied Products	552.93	602.04	539.09	42.5	45.3	43.9	13.01	13.29	12.28
Rubber and Miscellaneous Plastics Products	510.26	498.53	478.98	43.5	42.5	42.5	11.73	11.73	11.27
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	600.82	595.44	608.99	40.9	40.7	41.4	14.69	14.63	14.71
Wholesale Trade	374.87	365.79	355.99	37.3	36.8	36.7	10.05	9.94	9.70
Retail Trade[j]	217.77	214.52	211.54	30.5	30.3	31.2	7.14	7.08	6.78
General Merchandise Stores	194.83	194.39	191.40	29.7	29.1	30.0	6.56	6.68	6.38
Food Stores	329.73	320.78	317.92	37.3	37.3	36.5	8.84	8.60	8.71
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	277.18	276.86	267.48	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

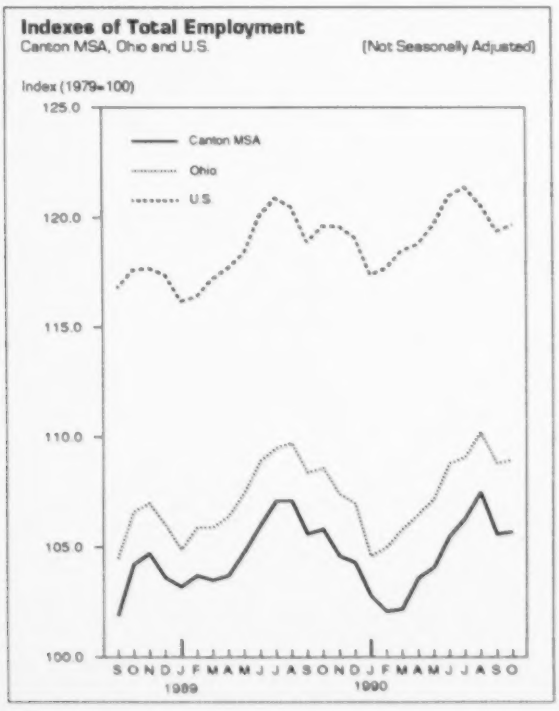
Canton Metropolitan Statistical Area

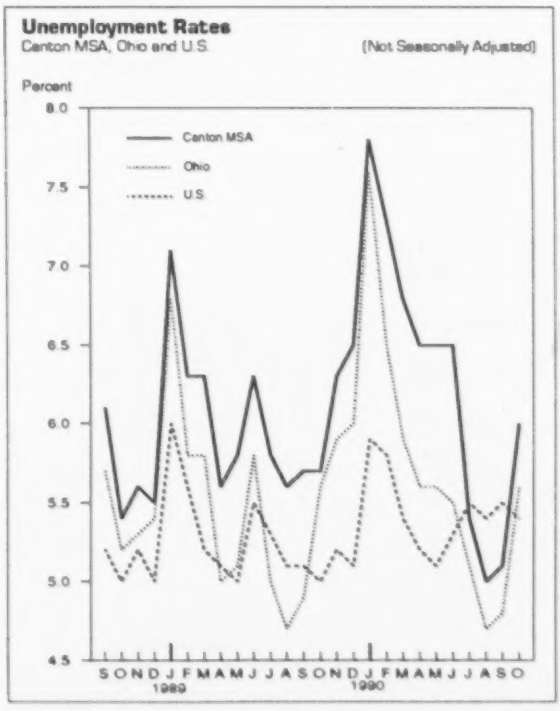


In the Canton metropolitan area, nonfarm payroll employment rose 400 above the October level to 169,300 in November 1990. More business in retail trade, especially general merchandise stores, and increases in local government added 500 jobs in service-producing industries. Layoffs in construction lowered employment in goods-producing industries 100 over the month to 53,800. The manufacturing workforce gained 100 mainly due to a modest improvement in primary metal industries. Factory production workers averaged $11.47 per hour, down fractionally from October. Their average workweek of 42.5 hours was 0.2 hours longer.

Nonagricultural wage and salary employment advanced 2,700 between November 1989 and November 1990. The improvement was concentrated in the service-producing sector, especially services. Noteworthy gains occurred in retail trade and local government. Employment in goods-producing industries declined 300 over the year as production cutbacks in manufacturing negated nominal growth in construction. Reductions in fabricated metal products and rubber and miscellaneous plastics products outweighed modest growth in primary metal industries.

Seasonally adjusted employment in the Canton area totaled 167,000 in November 1990, unchanged from October. Since November 1989, nonfarm payroll employment advanced 2,000. Expansion in services, retail trade, and government more than offset a decline in manufacturing.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$ 8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.9	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6.5	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
196.1	183.3	12.8	6.5	June	169.1	45.4	31.7	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	168.1	45.5	31.7	485.18	42.3	11.47
196.6	186.7	9.9	5.0	August	168.4	45.3	31.6	484.08	42.5	11.39
193.4	183.5	9.8	5.1	September	169.1	45.7	32.1	491.63	42.9	11.46
195.2	183.6	11.6	6.0	October	168.8	45.0	31.6	485.60	42.3	11.48
INA	INA	INA	INA	November	169.3	45.2	31.6	487.48	42.5	11.47

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20
168	53	7	45	June	114	6	9	34	7	40	20
167	53	7	45	July	114	6	9	34	7	40	20
168	53	7	45	August	115	6	9	34	7	40	20
168	54	7	45	September	114	6	9	34	7	40	20
167	53	7	45	October	114	6	9	34	7	40	20
167	53	7	45	November	114	6	9	34	7	40	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	169.3	168.8	166.5	.4	2.7
Goods-Producing Industries[e]	53.8	53.9	54.0	-.1	-.3
Construction	7.8	8.0	7.6	-.2	.2
Manufacturing	45.2	45.0	45.7	.1	-.5
Durable Goods[f]	33.4	33.3	33.7	.1	-.3
Primary Metal Industries	12.0	11.8	11.2	.2	.7
Fabricated Metal Products	5.3	5.3	6.2	.0	-.9
Electronic and Other Electric Equipment	3.9	4.0	4.1	-.1	-.2
Nondurable Goods[g]	11.7	11.7	12.0	.1	-.3
Food and Kindred Products	3.5	3.4	3.3	.0	.1
Rubber and Miscellaneous Plastics Products	2.8	2.8	3.2	.0	-.4
Service-Producing Industries	115.5	115.0	112.5	.5	3.0
Transportation and Public Utilities	5.6	5.6	5.7	.0	.0
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.7	8.7	8.5	.0	.2
Retail Trade	34.3	34.0	33.6	.3	.7
General Merchandise Stores	4.3	4.1	4.5	.3	-.2
Food Stores	5.7	5.7	5.6	.1	.1
Finance, Insurance, and Real Estate	6.6	6.7	6.8	-.1	-.2
Finance	3.9	3.9	3.9	-.1	-.1
Services	40.3	40.2	38.6	.1	1.7
Health Services	16.5	16.4	15.8	.1	.7
Nursing and Personal Care Facilities	3.9	3.9	3.8	.0	.1
Hospitals	7.7	7.6	7.4	.1	.3
Government	19.9	19.8	19.3	.2	.6
Federal Government	1.4	1.4	1.3	.0	.0
State Government (Includes Education)	1.7	1.7	1.7	.0	.0
Local Government	16.8	16.7	16.3	.2	.5
Local Government Education	10.2	10.2	10.0	.0	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

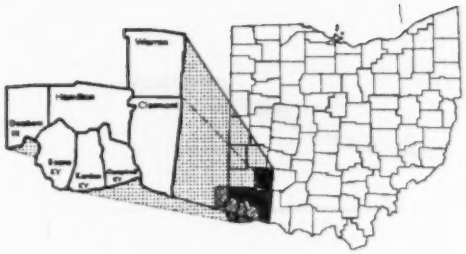
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$487.48	$485.60	$462.26	42.5	42.3	41.2	$11.47	$11.48	$11.22
Durable Goods[f]	499.36	506.11	485.30	42.9	43.0	41.8	11.64	11.77	11.61
Primary Metal Industries	539.13	568.51	492.46	44.3	45.7	42.6	12.17	12.44	11.56
Fabricated Metal Products	450.66	444.29	487.97	40.6	40.5	40.8	11.10	10.97	11.96
Electronic and Other Electric Equipment	537.16	571.45	533.05	38.7	40.3	40.2	13.88	14.18	13.26
Nondurable Goods[g]	452.50	426.22	394.18	41.4	40.4	39.3	10.93	10.55	10.03
Food and Kindred Products	423.60	417.01	398.98	39.7	38.9	38.4	10.67	10.72	10.39
Rubber and Miscellaneous Plastics Products	389.37	381.84	398.13	40.1	39.9	41.3	9.71	9.57	9.64
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	610.58	606.39	580.32	41.2	41.0	40.3	14.82	14.79	14.40
Wholesale Trade	384.93	389.16	370.66	39.0	38.8	37.9	9.87	10.03	9.78
Retail Trade[i]	174.71	174.31	169.48	27.6	27.8	28.2	6.33	6.27	6.01
General Merchandise Stores	184.80	193.05	185.95	28.0	28.1	29.1	6.60	6.87	6.39
Food Stores	175.85	172.24	155.75	28.5	28.9	26.9	6.17	5.96	5.79
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	198.04	192.37	178.49	30.8	30.2	29.6	6.43	6.37	6.03

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

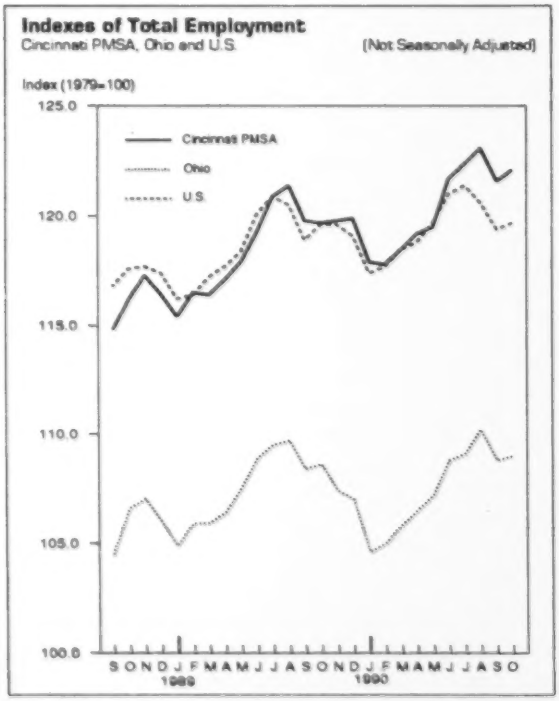
Cincinnati Primary Metropolitan Statistical Area

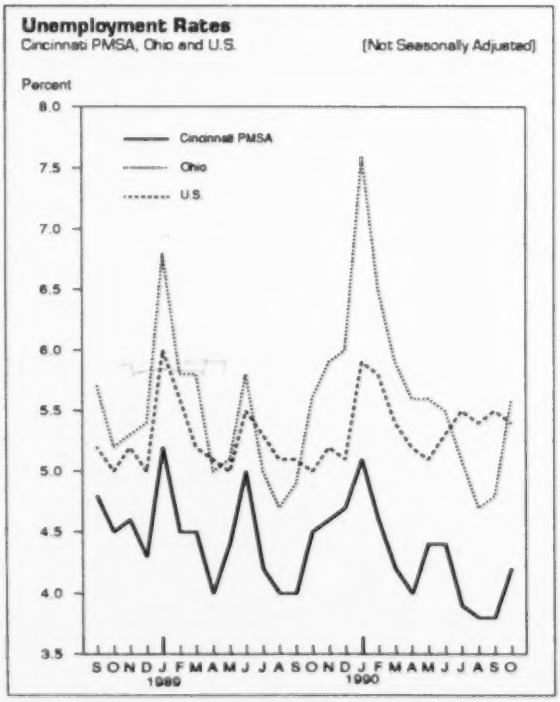


Nonagricultural payroll employment in the Cincinnati metropolitan area rose 1,000 above the October level to 762,500 in November 1990. The workforce in service-producing industries added 1,700 jobs. Increased hiring of temporary employees in retail trade outweighed seasonal reductions in services. Employment in goods-producing industries declined 700 over the month to 186,400. Production cutbacks among manufacturers of durable goods and less business in construction negated scattered increases in nondurable-goods manufacturing. Factory production workers averaged $12.23 per hour, up slightly from October. Their average workweek of 43.3 hours was 0.2 hours longer.

Nonfarm wage and salary employment advanced 18,800 between November 1989 and November 1990. Expansion in service-producing industries contributed 97.3 percent of the gain. Primary growth areas were retail trade (+6,900) and services (+5,300). Noteworthy gains were posted in local government, transportation and public utilities, and wholesale trade. Improvements in manufacturing raised employment in goods-producing industries 400 over the year. Growth in printing and publishing and chemicals and allied products more than offset reductions in electronic and other electric equipment and industrial machinery and equipment.

Seasonally adjusted employment in the Cincinnati area totaled 756,000 in November 1990, unchanged from October. Nominal increases in construction, transportation and public utilities, and retail trade counterbalanced a decline in services. Since November 1989, total payroll employment advanced 19,000. A major portion of the growth occurred in retail trade, services, government, and transportation and public utilities.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$ 7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
780.3	748.7	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74
784.6	750.3	34.3	4.4	May	753.0	148.0	92.8	519.60	43.3	12.00
799.2	764.1	35.1	4.4	June	758.8	148.8	93.4	528.00	43.6	12.11
800.4	768.8	31.6	3.9	July	754.7	148.7	93.3	516.86	43.0	12.02
803.6	773.5	30.2	3.8	August	756.1	148.9	93.5	529.83	43.5	12.18
793.9	763.9	30.1	3.8	September	760.8	149.8	94.5	529.48	43.4	12.20
800.8	767.1	33.7	4.2	October	761.5	150.0	94.8	526.25	43.1	12.21
INA	INA	INA	INA	November	762.5	149.8	94.7	529.56	43.3	12.23

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
749	185	36	149	May	564	41	49	151	43	188	92
752	185	36	149	June	567	41	50	151	43	189	93
753	184	35	149	July	569	41	50	151	43	189	95
754	184	36	148	August	570	41	50	152	43	190	94
753	184	35	148	September	569	41	50	151	43	191	92
756	184	34	149	October	572	41	50	151	43	194	93
756	184	35	149	November	572	42	50	152	43	193	93

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	762.5	761.5	743.8	1.0	18.8
Goods-Producing Industries[e]	186.4	187.1	186.0	-.7	.4
Construction	36.1	36.7	36.0	-.5	.1
Manufacturing	149.8	150.0	149.5	-.2	.3
Durable Goods[f]	79.9	80.4	81.1	-.6	-1.2
Fabricated Metal Products	12.4	12.4	12.5	.0	-.1
Fabricated Structural Metal Products	4.7	4.7	4.6	.0	.1
Industrial Machinery and Equipment	19.1	19.3	19.5	-.2	-.4
Electronic and Other Electric Equipment	7.5	7.6	8.0	-.1	-.5
Transportation Equipment	24.8	24.9	24.7	-.1	.2
Motor Vehicles and Equipment	5.0	5.0	5.0	.0	.0
Instruments and Related Products	3.5	3.5	3.8	.0	-.2
Nondurable Goods[g]	69.9	69.5	68.5	.4	1.5
Food and Kindred Products	12.3	12.3	12.5	.0	-.1
Beverages	3.0	3.0	2.9	.0	.0
Apparel and Other Textile Products	3.6	3.4	3.7	.2	-.1
Paper and Allied Products	6.2	6.1	6.0	.1	.2
Printing and Publishing	15.2	15.0	14.5	.2	.7
Commercial Printing	6.8	6.6	6.3	.1	.4
Chemicals and Allied Products	22.9	23.0	22.3	-.1	.6
Rubber and Miscellaneous Plastics Products	7.1	7.0	6.9	.0	.2
Service-Producing Industries	576.1	574.5	557.8	1.7	18.3
Transportation and Public Utilities	41.9	41.8	40.5	.1	1.4
Transportation	25.4	25.3	24.2	.1	1.2
Trucking and Warehousing	11.5	11.4	11.1	.1	.4
Transportation by Air	7.0	6.9	6.3	.1	.7
Communications, Electric, Gas Services	16.4	16.5	16.3	.0	.2
Communications	9.6	9.6	9.9	.0	-.2
Wholesale Trade	49.8	49.7	48.6	.1	1.2
Wholesale Trade-Durable Goods	29.1	29.2	28.8	-.1	.3
Retail Trade	155.3	152.5	148.4	2.8	6.9
General Merchandise Stores	24.5	23.2	23.1	1.4	1.5
Finance, Insurance, and Real Estate	43.2	43.1	42.6	.1	.6
Finance	17.8	17.7	17.3	.1	.5
Depository Institutions	13.9	13.9	13.5	.0	.4
Commercial Banks	9.9	9.8	9.4	.1	.5
Insurance	17.0	16.9	17.1	.1	-.1
Insurance Carriers	14.2	14.1	14.3	.1	-.1
Life Insurance	6.7	6.7	6.8	.0	-.1
Fire, Marine, and Casualty Insurance	5.4	5.4	5.1	.1	.4
Services	191.5	193.6	186.2	-2.1	5.3
Hotels and Other Lodging Places	7.6	7.7	7.4	-.1	.2
Personal Services	8.6	8.7	8.4	.0	.3
Business Services	38.4	38.8	37.1	-.4	1.2
Services to Buildings	6.1	6.2	5.9	.0	.2
Computer and Data Processing Services	5.1	5.0	4.6	.1	.5
Amusements, Including Motion Pictures	11.0	12.6	11.5	-1.6	-.6
Health Services	58.9	58.7	56.9	.2	2.1
Nursing and Personal Care Facilities	11.3	11.3	11.0	.0	.3
Hospitals	28.0	27.9	27.2	.1	.8
Legal Services	4.8	4.8	4.5	.0	.3
Educational Services	7.3	7.2	7.4	.1	-.1
Social Services	12.7	12.6	12.3	.1	.4
Residential Care	5.0	5.0	4.8	.0	.2
Engineering and Management Services	17.4	17.5	16.4	-.1	1.0
Engineering and Architectural Services	5.9	6.0	5.6	-.1	.3
Government	94.5	93.8	91.5	.7	3.0
Federal Government	15.9	15.8	15.6	.0	.3
State Government	21.5	21.1	21.2	.3	.3
State Government Education[h]	13.4	13.0	13.1	.4	.3
Local Government	57.2	56.8	54.8	.4	2.4
Local Government Education	32.6	32.2	31.3	.4	1.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

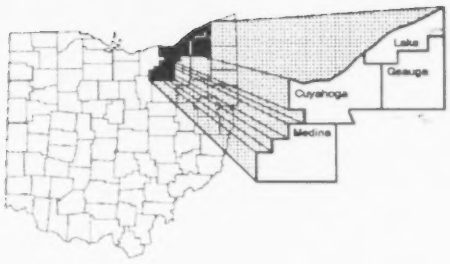
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$529.56	$526.25	$511.13	43.3	43.1	43.5	$12.23	$12.21	$11.75
Durable Goods[f]	531.57	524.10	517.87	43.5	43.1	44.3	12.22	12.16	11.69
Fabricated Metal Products	458.92	445.55	426.38	44.0	42.8	43.2	10.43	10.41	9.87
Fabricated Structural Metal Products	530.38	526.89	481.09	46.0	45.5	45.3	11.53	11.58	10.62
Industrial Machinery and Equipment	488.78	477.84	476.97	42.8	42.1	43.4	11.42	11.35	10.99
Electronic and Other Electric Equipment	391.13	387.73	369.96	40.7	40.6	40.7	9.61	9.55	9.09
Transportation Equipment	817.19	824.91	841.78	47.1	47.6	49.4	17.35	17.33	17.04
Motor Vehicles and Equipment	846.40	954.02	936.96	45.9	50.8	51.2	18.44	18.78	18.30
Instruments and Related Products	428.70	424.51	382.07	43.7	43.9	46.2	9.81	9.67	8.27
Nondurable Goods[g]	528.77	528.41	502.58	43.2	43.1	42.7	12.24	12.26	11.77
Food and Kindred Products	508.26	496.40	509.68	43.0	42.5	43.9	11.82	11.68	11.61
Beverages	565.94	557.19	559.76	41.4	41.0	42.6	13.67	13.59	13.14
Apparel and Other Textile Products	273.20	272.84	248.84	40.0	39.6	38.7	6.83	6.89	6.43
Paper and Allied Products	478.47	466.99	471.32	43.3	42.3	43.4	11.05	11.04	10.86
Printing and Publishing	540.51	522.04	504.42	43.0	42.1	42.0	12.57	12.40	12.01
Commercial Printing	593.46	546.84	521.02	46.4	44.1	43.6	12.79	12.40	11.95
Chemicals and Allied Products	649.15	651.48	597.17	44.1	43.9	42.9	14.72	14.84	13.92
Rubber and Miscellaneous Plastics Products	396.57	455.65	408.50	41.7	46.4	43.0	9.51	9.82	9.50
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	615.09	604.71	583.20	40.6	40.1	40.0	15.15	15.08	14.58
Communications	590.92	592.88	574.94	38.8	38.7	38.9	15.23	15.32	14.78
Wholesale Trade	446.16	448.21	431.82	39.8	39.7	39.4	11.21	11.29	10.96
Retail Trade[i]	178.44	177.17	172.20	28.1	27.9	28.7	6.35	6.35	6.00
General Merchandise Stores	215.20	218.60	204.76	29.2	29.5	30.2	7.37	7.41	6.78
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	300.09	304.89	299.77	....	....	....	.....	.....	.....
Commercial Banks	268.43	275.69	271.97	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	418.44	416.52	405.94	....	....	....	.....	.....	.....
Life Insurance	418.11	416.87	416.60	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	437.82	436.08	418.88	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	435.21	435.89	414.35	32.6	32.7	32.6	13.35	13.33	12.71
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	655.59	650.35	644.18	41.0	40.8	40.9	15.99	15.94	15.75

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

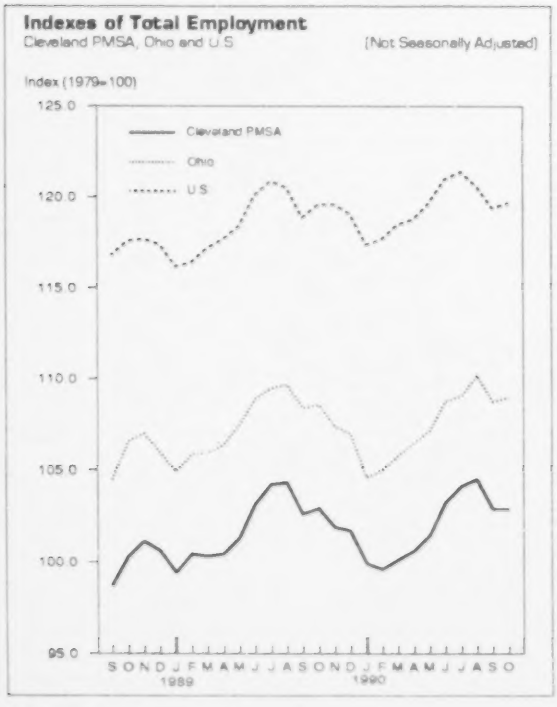
Cleveland Primary Metropolitan Statistical Area

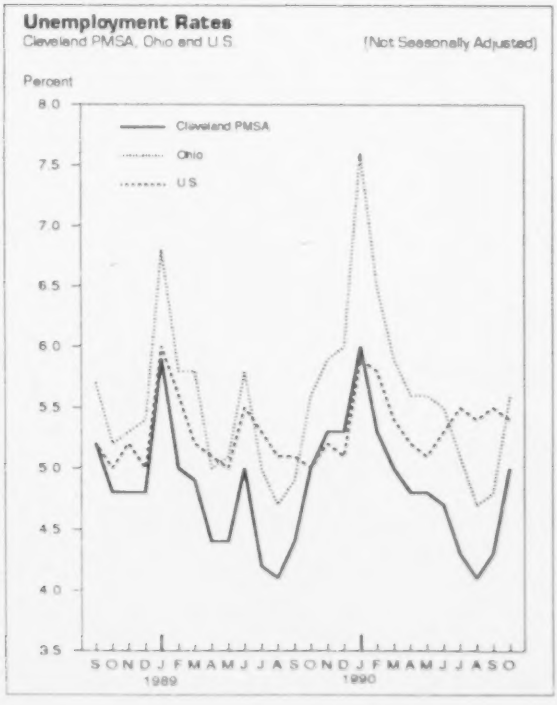


Nonfarm wage and salary employment in the Cleveland metropolitan area dropped 1,000 below the October level to 962,700 in November 1990. Temporary shutdowns in manufacturing, especially transportation equipment and fabricated metal products, and seasonal layoffs in construction lowered employment in goods-producing industries 3,100 to 241,800. The number of jobs in the service-producing sector rose 2,000 over the month. More business in retail trade, particularly general merchandise stores, and the return of nonfaculty personnel in local schools outweighed declines in services. Manufacturing production workers averaged $12.16 per hour, down 13 cents. Their average workweek of 42.7 hours was 0.2 hours shorter.

Nonagricultural payroll employment advanced 13,500 between November 1989 and November 1990. The improvement was concentrated in service-producing industries. Leading areas of expansion were services (+7,200) and retail trade (+5,500). Noteworthy growth was posted in wholesale trade. Employment in goods-producing industries declined 2,300 during the period chiefly due to cutbacks in manufacturing. Current temporary shutdowns in transportation equipment and fabricated metal products and over-the-year reductions in industrial machinery and equipment overshadowed increases in nondurable-goods manufacturing and construction.

Seasonally adjusted employment in the Cleveland area declined 3,000 from October to 954,000 in November 1990 as decreased production in manufacturing negated an increase in services. Since November 1989, total payroll employment advanced 13,000. Expansion in services, retail trade, and wholesale trade outweighed the effects of current temporary layoffs in manufacturing.





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$ 8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
939.2	894.4	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99
947.1	901.5	45.5	4.8	May	958.9	207.2	132.4	531.72	43.3	12.28
962.5	917.2	45.3	4.7	June	969.3	208.1	133.0	534.25	43.4	12.31
967.6	925.6	42.1	4.3	July	966.6	207.3	131.8	514.74	42.4	12.14
968.6	929.3	39.3	4.1	August	960.2	205.6	130.8	518.38	42.7	12.14
955.4	914.6	40.7	4.3	September	964.4	207.0	132.7	530.56	43.1	12.31
963.5	915.0	48.5	5.0	October	963.7	207.2	132.8	527.24	42.9	12.29
INA	INA	INA	INA	November	962.7	205.0	130.7	519.23	42.7	12.16

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
958	242	34	207	June	716	43	69	165	58	260	122
957	242	34	207	July	714	43	68	166	58	261	119
953	241	34	206	August	712	43	69	166	58	262	115
957	241	34	206	September	716	43	69	166	58	261	120
957	241	34	207	October	715	43	69	166	58	260	120
954	239	34	204	November	716	43	69	166	58	261	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	962.7	963.7	949.2	-1.0	13.5
Goods-Producing Industries[e]	241.8	244.8	244.0	-3.1	-2.3
Construction	35.8	36.8	35.2	-1.0	.6
Special Trade Contractors	24.6	25.0	24.4	-.4	.2
Manufacturing	205.0	207.2	207.9	-2.1	-2.9
Durable Goods[f]	138.8	140.8	142.4	-2.0	-3.6
Stone, Clay, and Glass Products	3.8	3.8	3.5	.0	.3
Primary Metal Industries	20.7	20.8	21.3	.0	-.5
Iron and Steel Foundries	4.3	4.2	4.6	.0	-.3
Fabricated Metal Products	33.7	34.6	34.3	-.9	-.6
Screw Machine Products, Bolts, etc.	5.0	5.0	5.1	-.1	-.2
Metal Forgings and Stampings	10.4	11.1	11.0	-.7	-.6
Industrial Machinery and Equipment	32.5	32.6	33.9	-.1	-1.3
Metalworking Machinery	12.9	12.9	13.0	.0	-.1
Electronic and Other Electric Equipment	15.2	15.2	15.6	.0	-.4
Electrical Industrial Apparatus	4.2	4.3	4.5	.0	-.2
Electric Lighting and Wiring Equipment	5.1	5.0	5.3	.0	-.2
Transportation Equipment	18.0	19.1	19.2	-1.1	-1.2
Motor Vehicles and Equipment	11.0	12.0	12.2	-1.1	-1.3
Instruments and Related Products	7.2	7.2	7.1	.1	.1
Measuring and Controlling Devices	5.3	5.3	5.0	.0	.4
Nondurable Goods[g]	66.3	66.3	65.6	-.1	.7
Food and Kindred Products	6.7	6.7	6.7	.0	.0
Apparel and Other Textile Products	3.3	3.3	3.2	.1	.1
Paper and Allied Products	5.8	5.8	6.0	.0	-.1
Printing and Publishing	17.6	17.4	17.1	.2	.5
Chemicals and Allied Products	14.8	14.8	14.6	.0	.2
Rubber and Miscellaneous Plastics Products	12.1	12.4	12.0	-.3	.1
Miscellaneous Plastics Products	8.0	8.1	7.6	-.1	.4
Service-Producing Industries	720.9	718.9	705.1	2.0	15.8
Transportation and Public Utilities	43.4	43.3	43.2	.2	.2
Transportation	26.7	26.6	25.8	.2	1.0
Trucking and Warehousing	12.0	11.9	11.9	.1	.1
Transportation by Air	5.5	5.5	5.1	.0	.3
Communications, Electric, Gas Services	16.7	16.7	17.5	.0	-.7
Communications	9.9	10.0	10.2	.0	-.3
Electric, Gas, and Sanitary Services	6.8	6.7	7.2	.0	-.4
Wholesale Trade	68.6	68.8	67.1	-.2	1.6
Wholesale Trade-Durable Goods	46.8	46.9	45.7	-.2	1.1
Motor Vehicles, Parts, and Supplies	4.0	4.1	4.1	.0	.0
Professional and Commercial Equipment	9.1	9.1	9.1	.0	.0
Retail Trade	169.1	166.9	163.6	2.2	5.5
General Merchandise Stores	22.6	21.6	22.4	1.0	.2
Finance, Insurance, and Real Estate	57.7	58.0	56.9	-.3	.8
Finance	27.8	28.0	27.7	-.2	.1
Depository Institutions	20.5	20.7	20.6	-.2	.0
Commercial Banks	12.8	13.0	13.0	-.1	-.2
Insurance	18.7	18.8	18.3	-.1	.4
Insurance Carriers	14.2	14.2	13.8	-.1	.4
Fire, Marine, and Casualty Insurance	6.4	6.4	6.3	.0	.1
Services	261.9	262.6	254.6	-.7	7.2
Business Services	54.8	55.2	52.8	-.4	2.0
Personnel Supply Services	20.9	21.3	20.3	-.4	.7
Computer and Data Processing Services	7.1	7.1	6.6	.0	.5
Amusements, Including Motion Pictures	10.9	11.3	10.4	-.5	.5
Health Services	80.3	80.3	79.1	.0	1.2
Nursing and Personal Care Facilities	13.7	13.6	13.4	.1	.3
Hospitals	43.6	43.7	43.7	-.1	-.1
Legal Services	9.8	9.8	9.5	.1	.3
Educational Services	19.3	18.9	18.9	.4	.4
Social Services	14.3	14.2	13.8	.0	.5
Residential Care	3.9	3.9	3.6	.0	.3
Engineering and Management Services	22.5	22.6	21.6	-.1	.9
Engineering and Architectural Services	8.1	8.2	8.0	-.1	.2
Accounting, Auditing, and Bookkeeping	6.7	6.7	6.4	-.1	.2
Management and Public Relations	4.9	4.9	4.5	.0	.3
Government	120.2	119.3	119.7	.8	.5
Federal Government	19.7	19.7	20.6	.1	-.9
State Government	8.0	8.1	7.7	-.1	.3
State Government Education[h]	3.1	3.2	2.8	.0	.3
Local Government	92.4	91.6	91.4	.8	1.0
Local Government Education	47.3	46.5	47.7	.9	-.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

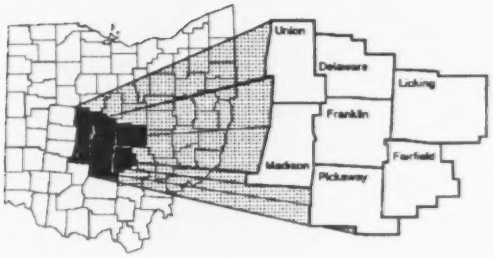
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$519.23	$527.24	$509.98	42.7	42.9	43.0	$12.16	$12.29	$11.86
Durable Goods[f]	550.78	559.41	541.01	43.3	43.5	43.7	12.72	12.86	12.38
Stone, Clay, and Glass Products	512.24	512.56	481.63	43.3	43.0	41.2	11.83	11.92	11.69
Primary Metal Industries	552.25	543.79	532.49	44.5	44.5	44.3	12.41	12.22	12.02
Iron and Steel Foundries	866.71	833.34	824.72	46.9	46.4	47.1	18.48	17.96	17.51
Fabricated Metal Products	545.70	568.54	547.27	42.8	43.7	43.4	12.75	13.01	12.61
Screw Machine Products, Bolts, etc.	494.81	518.93	524.40	41.2	42.5	43.7	12.01	12.21	12.00
Metal Forgings and Stampings	688.97	718.46	687.49	43.8	45.3	44.7	15.73	15.86	15.38
Industrial Machinery and Equipment	567.09	560.90	528.06	44.9	44.8	44.3	12.63	12.52	11.92
Metalworking Machinery	541.35	537.78	556.71	44.3	43.9	46.2	12.22	12.25	12.05
Electronic and Other Electric Equipment	438.68	425.08	418.18	41.7	40.6	40.6	10.52	10.47	10.30
Electrical Industrial Apparatus	459.90	444.93	422.71	43.8	42.7	41.2	10.50	10.42	10.26
Electric Lighting and Wiring Equipment	407.51	404.16	371.80	38.7	38.2	37.9	10.53	10.58	9.81
Transportation Equipment	706.38	746.30	724.14	42.4	43.9	44.7	16.66	17.00	16.20
Motor Vehicles and Equipment	768.35	819.50	805.35	41.6	43.8	45.5	18.47	18.71	17.70
Instruments and Related Products	456.35	441.32	444.78	41.6	40.6	42.0	10.97	10.87	10.59
Measuring and Controlling Devices	443.90	434.28	474.37	40.8	40.1	43.6	10.88	10.83	10.88
Nondurable Goods[g]	444.55	452.19	432.63	41.2	41.6	41.4	10.79	10.87	10.45
Food and Kindred Products	459.27	433.29	457.45	40.5	39.0	41.7	11.34	11.11	10.97
Apparel and Other Textile Products	379.82	409.25	373.74	38.6	40.6	39.3	9.84	10.08	9.51
Paper and Allied Products	509.18	534.63	481.31	44.2	45.5	43.4	11.52	11.75	11.09
Printing and Publishing	416.45	403.39	376.32	39.7	38.2	38.4	10.49	10.56	9.80
Chemicals and Allied Products	552.72	564.10	538.05	42.0	42.8	42.5	13.16	13.18	12.66
Rubber and Miscellaneous Plastics Products	373.09	396.95	379.53	41.5	43.1	42.5	8.99	9.21	8.93
Miscellaneous Plastics Products	388.74	409.97	397.23	42.3	43.8	43.7	9.19	9.36	9.09
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	500.90	513.72	439.73	35.2	35.7	32.5	14.23	14.39	13.53
Communications, Electric, Gas Services	662.84	652.80	621.71	42.3	41.9	41.2	15.67	15.58	15.09
Wholesale Trade	467.67	466.88	456.59	39.3	39.3	39.6	11.90	11.88	11.53
Retail Trade[i]	193.88	192.90	182.25	27.5	27.4	27.0	7.05	7.04	6.75
General Merchandise Stores	192.08	194.99	181.55	28.0	28.3	27.3	6.86	6.89	6.65
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	321.40	322.48	319.63	....	....	....	.....	.....	.....
Depository Institutions	292.59	293.48	293.54	....	....	....	.....	.....	.....
Commercial Banks	285.50	285.60	287.19	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	343.51	343.20	318.68	31.2	31.2	31.0	11.01	11.00	10.28
Nursing and Personal Care Facilities	253.93	252.34	224.05	33.5	33.6	32.9	7.58	7.51	6.81
Hospitals	374.83	373.60	351.83	30.4	30.3	30.2	12.33	12.33	11.65

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

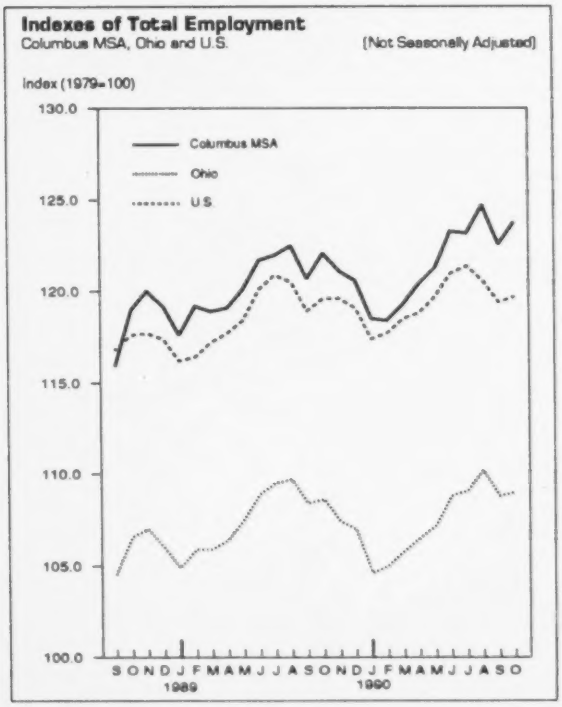
Columbus Metropolitan Statistical Area

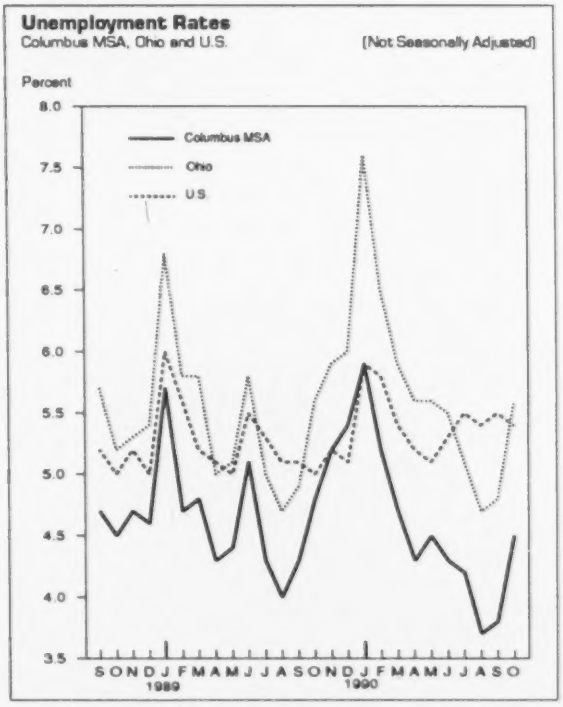


In the Columbus metropolitan area, nonfarm payroll employment increased 1,900 above the October level to 739,100 in November 1990. Seasonal hiring in retail trade, especially general merchandise stores, and the continued return of nonfaculty personnel in state and local schools and colleges raised employment in service-producing industries 4,000. Temporary shutdowns in manufacturing, particularly fabricated metal products and stone, clay, and glass products, and seasonal layoffs in construction lowered employment in goods-producing industries 2,100 over the month to 137,200. Factory production workers averaged $12.63 per hour, up fractionally from October. Their average workweek was 0.5 hours longer at 42.6 hours.

Nonagricultural wage and salary employment advanced 22,400 between November 1989 and November 1990. Growth in the service-producing sector contributed 99.6 percent of the gain. Leading areas of expansion were services (+8,500) and retail trade (+7,300). Noteworthy improvements occurred in state and local government and in wholesale trade. The workforce in goods-producing industries increased 200 from the year-ago level as modest gains in construction employment outweighed reductions in manufacturing. Production cutbacks in fabricated metal products and instruments and related products negated growth in transportation equipment and food and kindred products.

Seasonally adjusted employment in the Columbus area rose 1,000 from October to 730,000 in November 1990. Improvements in services and government more than offset a decline in manufacturing. Since November 1989, nonfarm payroll employment advanced 23,000. A major portion of the growth was posted in services (+8,000), retail trade (+7,000), and government (+4,000).





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
733.4	700.7	32.7	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34
744.2	712.0	32.2	4.3	June	734.0	105.7	70.6	520.80	42.0	12.40
742.4	711.6	30.8	4.2	July	724.0	104.2	68.9	524.15	42.1	12.45
747.6	720.2	27.4	3.7	August	726.4	105.5	70.3	515.41	41.7	12.36
736.6	708.3	28.3	3.8	September	730.2	106.0	70.9	529.61	42.2	12.55
748.5	714.9	33.6	4.5	October	737.2	106.6	71.0	530.88	42.1	12.61
INA	INA	INA	INA	November	739.1	105.2	69.9	538.04	42.6	12.63

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	106	June	591	32	38	151	61	179	129
728	135	30	104	July	593	31	38	152	61	180	130
730	137	30	105	August	593	31	38	153	61	181	128
728	136	30	105	September	592	32	38	152	61	181	128
729	137	30	106	October	593	32	38	152	61	181	128
730	136	30	105	November	594	32	38	152	61	182	129

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	739.1	737.2	716.6	1.9	22.4
Goods-Producing Industries[e]	137.2	139.3	137.0	-2.1	.2
Construction	31.0	31.8	30.3	-.8	.7
Manufacturing	105.2	106.6	105.9	-1.3	-.6
Durable Goods[f]	65.4	66.5	66.6	-1.1	-1.2
Stone, Clay, and Glass Products	10.1	10.4	10.1	-.3	.0
Glass and Glassware, Pressed or Blown	3.5	3.6	3.6	-.1	-.1
Fabricated Metal Products	8.9	9.6	10.0	-.7	-1.1
Industrial Machinery and Equipment	9.9	9.9	9.6	.0	.3
Electronic and Other Electric Equipment	9.1	9.2	9.4	.0	-.2
Transportation Equipment	14.6	14.6	14.0	.0	.6
Motor Vehicles and Equipment	13.5	13.5	13.4	.0	.1
Instruments and Related Products	4.3	4.4	4.8	-.1	-.5
Nondurable Goods[g]	39.8	40.1	39.3	-.2	.5
Food and Kindred Products	11.3	11.4	10.7	-.1	.6
Dairy Products	4.6	4.6	3.9	-.1	.6
Printing and Publishing	11.2	11.1	10.9	.1	.3
Chemicals and Allied Products	6.7	6.8	6.8	.0	-.1
Rubber and Miscellaneous Plastics Products	6.4	6.5	6.4	-.1	.0
Service-Producing Industries	601.9	597.9	579.6	4.0	22.3
Transportation and Public Utilities	32.0	32.0	31.3	.0	.7
Transportation	19.8	19.8	19.0	.0	.8
Trucking and Warehousing	14.3	14.2	13.5	.1	.8
Communications, Electric, Gas Services	12.2	12.2	12.3	.0	.0
Communications	7.6	7.5	7.7	.0	-.2
Electric, Gas, and Sanitary Services	4.7	4.7	4.6	.0	.1
Wholesale Trade	38.7	38.6	37.4	.1	1.3
Wholesale Trade-Durable Goods	24.8	24.7	24.2	.1	.6
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.1	.0	.1
Machinery, Equipment, and Supplies	5.5	5.6	5.5	.0	.1
Wholesale Trade-Nondurable Goods	13.9	13.9	13.3	.1	.7
Retail Trade	156.2	153.9	148.9	2.3	7.3
General Merchandise Stores	23.1	22.1	22.7	1.0	.4
Food Stores	17.3	17.1	17.1	.2	.2
Automotive Dealers and Service Stations	14.9	15.1	14.3	-.2	.6
Finance, Insurance, and Real Estate	60.8	60.8	60.0	.0	.8
Finance	24.1	24.0	23.8	.1	.3
Depository Institutions	14.4	14.4	14.3	.0	.1
Commercial Banks	12.4	12.4	11.9	.0	.5
Insurance	27.8	27.7	27.6	.1	.2
Insurance Carriers	23.9	23.8	23.7	.1	.2
Services	182.9	182.9	174.4	.0	8.5
Business Services	40.3	40.2	37.5	.2	2.8
Personnel Supply Services	15.5	15.3	13.7	.2	1.7
Health Services	47.5	47.5	45.3	.0	2.2
Nursing and Personal Care Facilities	8.3	8.3	8.2	.0	.1
Hospitals	22.0	22.0	20.9	.0	1.1
Legal Services	4.7	4.6	4.5	.1	.1
Educational Services	7.7	7.6	8.1	.1	-.4
Social Services	13.4	13.2	12.9	.2	.5
Engineering and Management Services	18.5	18.5	17.7	.0	.9
Engineering and Architectural Services	4.7	4.7	4.4	.0	.4
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.0	.0	.1
Research and Testing Services	6.2	6.2	6.1	-.1	.1
Government	131.2	129.7	127.5	1.5	3.7
Federal Government	15.3	15.3	16.1	.0	-.9
State Government	58.5	57.7	55.9	.8	2.6
State Government Education[h]	25.4	24.7	23.7	.7	1.7
Local Government	57.4	56.7	55.6	.7	1.9
Local Government Education	35.1	34.4	33.9	.7	1.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

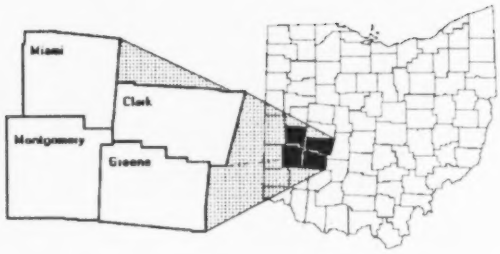
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[p]	Oct. 1990[r]	Nov. 1989[r]	Nov. 1990[p]	Oct. 1990[r]	Nov. 1989[r]	Nov. 1990[p]	Oct. 1990[r]	Nov. 1989[r]
Manufacturing	$538.04	$530.88	$519.82	42.6	42.1	42.4	$12.63	$12.61	$12.26
Durable Goods[f]	554.27	546.07	533.38	42.9	42.2	42.5	12.92	12.94	12.55
Stone, Clay, and Glass Products	523.50	518.02	519.59	42.7	42.6	42.8	12.26	12.16	12.14
Glass and Glassware, Pressed or Blown	470.26	477.00	463.78	42.1	42.4	42.2	11.17	11.25	10.99
Fabricated Metal Products	510.79	522.29	515.00	40.7	40.3	41.2	12.55	12.96	12.50
Industrial Machinery and Equipment	559.73	543.48	498.12	44.6	43.9	42.0	12.55	12.38	11.86
Electronic and Other Electric Equipment	546.94	546.54	512.25	42.3	42.4	42.3	12.93	12.89	12.11
Transportation Equipment	665.11	665.56	648.93	44.4	44.4	44.6	14.98	14.99	14.55
Motor Vehicles and Equipment	662.20	661.13	651.73	44.0	43.9	44.7	15.05	15.06	14.58
Instruments and Related Products	444.80	407.12	411.83	41.3	38.7	40.1	10.77	10.52	10.27
Nondurable Goods[g]	507.31	502.38	491.21	42.1	41.9	42.2	12.05	11.99	11.64
Food and Kindred Products	455.17	447.53	427.84	42.9	42.3	41.7	10.61	10.58	10.26
Dairy Products	587.88	607.51	637.71	42.6	43.8	45.1	13.80	13.87	14.14
Printing and Publishing	576.11	600.08	557.52	40.6	42.2	40.4	14.19	14.22	13.80
Chemicals and Allied Products	706.28	686.87	674.06	44.9	44.2	45.3	15.73	15.54	14.88
Rubber and Miscellaneous Plastics Products	389.09	380.84	403.62	40.7	40.3	43.4	9.56	9.45	9.30
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	421.36	436.70	374.34	33.1	33.8	29.2	12.73	12.92	12.82
Communications, Electric, Gas Services	693.97	688.97	609.86	44.4	43.8	41.6	15.63	15.73	14.66
Communications	646.50	603.69	601.06	42.2	39.9	41.0	15.32	15.13	14.66
Electric, Gas, and Sanitary Services	770.88	827.15	623.48	48.0	50.1	42.5	16.06	16.51	14.67
Wholesale Trade	411.72	409.62	397.32	39.1	38.9	38.5	10.53	10.53	10.32
Retail Trade[i]	187.01	183.33	183.02	27.3	27.0	27.9	6.85	6.79	6.56
General Merchandise Stores	203.50	210.00	193.05	27.5	28.0	28.1	7.40	7.50	6.87
Food Stores	193.44	188.19	191.06	27.4	27.0	27.1	7.06	6.97	7.05
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	468.42	463.74	434.50	....	....	....	.....	.....	.....
Depository Institutions	300.60	300.43	286.69	....	....	....	.....	.....	.....
Commercial Banks	298.97	297.77	284.85	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	251.25	240.41	227.30	33.5	32.4	32.8	7.50	7.42	6.93
Hospitals	410.64	396.65	394.34	34.8	33.7	34.5	11.80	11.77	11.43
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	501.93	494.85	488.56	39.0	38.6	39.4	12.87	12.82	12.40

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

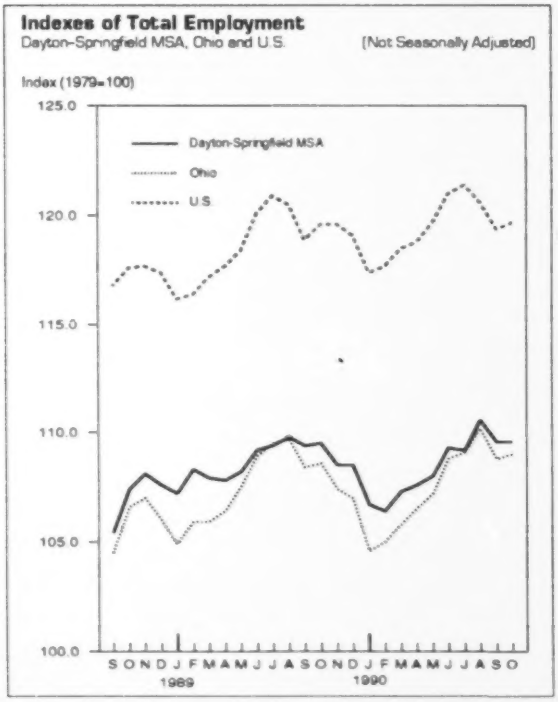
Dayton-Springfield Metropolitan Statistical Area

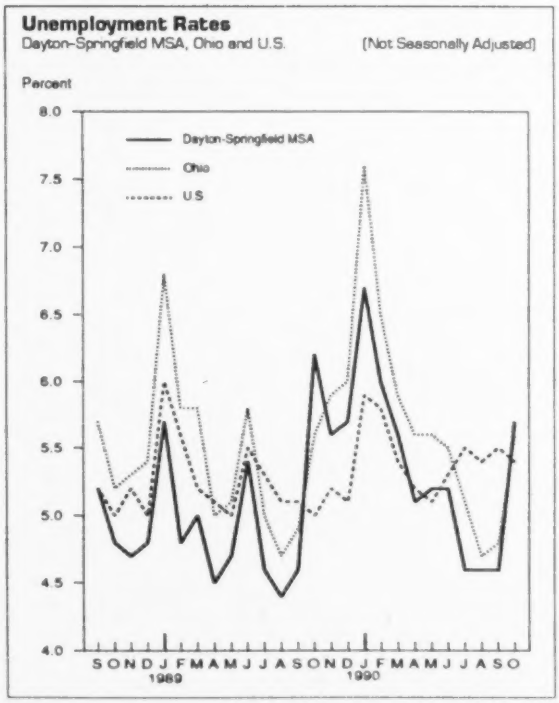


Nonagricultural payroll employment in the Dayton-Springfield metropolitan area totaled 463,200 in November 1990, up 700 from October. Seasonal hiring in retail trade, especially general merchandise stores, helped raise employment in service-producing industries 1,900. Employment in goods-producing industries declined 1,200 over the month to 121,900 due to reductions in manufacturing, particularly fabricated metal products and industrial machinery and equipment, and less business in construction. Factory production workers averaged $13.51 per hour, down 16 cents from October. Their average workweek of 41.7 hours was 0.8 hours shorter.

Nonfarm wage and salary employment advanced 7,900 between November 1989 and November 1990. Improvements in the service-producing sector contributed 91.1 percent of the gain. Leading growth industries were services, retail trade, and local government. Employment in goods-producing industries increased 700 from the year-ago level. Temporary shutdowns significantly reduced employment in transportation equipment in November 1989. Over-the-year production cutbacks in industrial machinery and equipment and fabricated metal products negated growth in paper and allied products. Construction employment declined 300.

Seasonally adjusted employment in the Dayton-Springfield area was unchanged from October at 457,000 in November 1990. Increases in transportation and public utilities and in services outweighed a decline in manufacturing. Since November 1989, total payroll employment advanced 8,000. Primary areas of expansion were services (+3,000) and retail trade (+2,000).





Dayton-Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553 92	41.9	13.22
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12
476.5	451.5	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56
481.9	456.8	25.1	5.2	June	461.5	105.9	68.8	605.68	43.7	13.86
478.5	456.5	22.0	4.6	July	455.6	105.5	68.0	570.54	42.2	13.52
484.6	462.4	22.2	4.6	August	456.7	104.7	67.4	557.19	41.8	13.33
480.5	458.2	22.3	4.6	September	462.4	104.8	68.0	590.04	43.1	13.69
485.5	458.1	27.4	5.7	October	462.5	104.3	67.9	580.98	42.5	13.67
INA	INA	INA	INA	November	463.2	103.4	67.1	563.37	41.7	13.51

INA – Information not available

Dayton-Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	335	18	22	82	17	117	78
459	123	18	105	July	336	18	22	82	18	118	78
460	122	17	104	August	338	19	22	82	18	118	80
458	122	17	104	September	336	19	22	82	18	118	78
457	121	17	104	October	336	18	21	82	18	118	78
457	121	17	103	November	336	19	21	82	18	119	78

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	463.2	462.5	455.2	.7	7.9
Goods-Producing Industries[e]	121.9	123.1	121.2	-1.2	.7
Construction	18.1	18.4	18.4	-.3	-.3
Manufacturing	103.4	104.3	102.3	-.9	1.1
Durable Goods[f]	73.5	74.3	72.8	-.8	.7
Fabricated Metal Products	8.1	8.4	8.6	-.3	-.5
Industrial Machinery and Equipment	30.1	30.3	31.5	-.2	-1.3
Metalworking Machinery	8.0	8.1	8.5	.0	-.4
General Industrial Machinery	3.0	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.8	3.9	3.9	-.1	-.1
Transportation Equipment	23.0	22.9	19.8	.0	3.2
Motor Vehicles and Equipment	19.9	19.9	16.7	.1	3.3
Nondurable Goods[g]	29.9	29.9	29.5	-.1	.3
Food and Kindred Products	2.7	2.7	2.9	.0	-.2
Paper and Allied Products	6.4	6.3	5.9	.1	.5
Printing and Publishing	9.0	9.1	9.2	-.1	-.2
Rubber and Miscellaneous Plastics Products	7.5	7.5	7.8	.0	-.2
Service-Producing Industries	341.3	339.4	334.1	1.9	7.2
Transportation and Public Utilities	18.7	18.6	17.9	.1	.8
Transportation	12.3	12.3	11.6	.1	.7
Trucking and Warehousing	6.8	6.8	6.5	.0	.3
Communications, Electric, Gas Services	6.4	6.4	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.5	21.5	21.3	.0	.1
Wholesale Trade-Durable Goods	14.9	14.9	14.9	.0	.0
Wholesale Trade-Nondurable Goods	6.5	6.6	6.4	.0	.2
Retail Trade	83.8	82.5	81.9	1.2	1.9
General Merchandise Stores	12.3	11.6	12.4	.7	.0
Finance, Insurance, and Real Estate	17.5	17.5	17.6	.0	-.1
Finance	9.4	9.3	9.5	.1	-.1
Depository Institutions	7.3	7.2	7.3	.1	.0
Insurance	4.5	4.5	4.4	.0	.1
Services	120.1	119.8	116.9	.3	3.2
Business Services	24.4	24.4	22.5	.0	1.9
Personnel Supply Services	7.4	7.4	6.5	.0	.9
Computer and Data Processing Services	5.6	5.6	5.1	.0	.6
Health Services	39.8	39.8	39.2	.1	.7
Nursing and Personal Care Facilities	7.3	7.2	7.2	.1	.1
Hospitals	20.2	20.3	20.1	.0	.1
Educational Services	9.3	9.0	9.8	.2	-.5
Social Services	6.1	6.0	6.0	.0	.0
Engineering and Management Services	10.2	10.2	9.8	.0	.4
Research and Testing Services	3.4	3.4	3.3	.0	.1
Government	79.8	79.4	78.4	.3	1.4
Federal Government	28.1	28.0	28.9	.1	-.8
State Government	7.7	7.7	7.4	.1	.4
State Government Education[h]	4.8	4.8	4.5	.1	.3
Local Government	44.0	43.8	42.1	.2	1.9
Local Government Education	28.2	27.9	27.4	.4	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

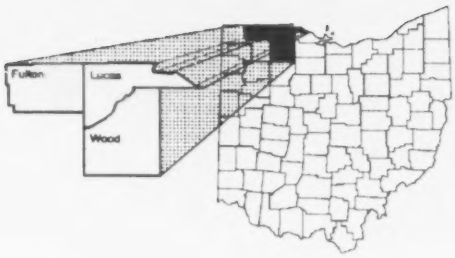
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[p]	Oct. 1990[r]	Nov. 1989[r]	Nov. 1990[p]	Oct. 1990[r]	Nov. 1989[r]	Nov. 1990[p]	Oct. 1990[r]	Nov. 1989[r]
Manufacturing	$563.37	$580.98	$555.53	41.7	42.5	42.7	$13.51	$13.67	$13.01
Durable Goods[f]	589.24	608.14	572.76	42.3	43.1	43.0	13.93	14.11	13.32
Fabricated Metal Products	391.07	392.28	399.34	40.4	40.4	41.0	9.68	9.71	9.74
Industrial Machinery and Equipment	616.83	622.29	609.84	43.5	43.7	44.0	14.18	14.24	13.86
Metalworking Machinery	604.32	598.07	625.68	45.2	44.9	47.4	13.37	13.32	13.20
General Industrial Machinery	569.48	559.83	494.05	46.0	45.7	43.3	12.38	12.25	11.41
Electronic and Other Electric Equipment	393.34	379.67	353.87	43.9	42.9	41.1	8.96	8.85	8.61
Transportation Equipment	716.56	773.51	732.60	42.2	44.1	44.0	16.98	17.54	16.65
Motor Vehicles and Equipment	719.80	782.32	735.53	41.8	44.0	43.6	17.22	17.78	16.87
Nondurable Goods[g]	490.80	505.53	505.02	40.0	41.0	41.6	12.27	12.33	12.14
Food and Kindred Products	335.05	342.70	382.08	38.6	39.3	42.5	8.68	8.72	8.99
Paper and Allied Products	484.03	519.75	497.20	42.2	45.0	44.0	11.47	11.55	11.30
Printing and Publishing	455.48	455.90	473.45	38.6	38.8	40.5	11.80	11.75	11.69
Rubber and Miscellaneous Plastics Products	614.72	633.03	637.99	38.3	39.1	40.1	16.05	16.19	15.91
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	577.53	572.66	572.27	40.5	40.3	41.2	14.26	14.21	13.89
Communications	593.00	579.68	578.92	40.7	40.2	41.0	14.57	14.42	14.12
Wholesale Trade	404.00	399.52	397.37	39.3	39.4	39.5	10.28	10.14	10.06
Retail Trade[i]	178.28	179.28	169.80	27.9	28.1	28.3	6.39	6.38	6.00
General Merchandise Stores	178.98	188.88	164.82	27.2	27.9	26.8	6.58	6.77	6.15
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	.....	.....	.....	.....	.....	.....	.....	.....	.....
Depository Institutions	284.96	280.60	274.54	.....	.....	.....	.....	.....	.....
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	418.14	413.31	407.86	34.7	34.5	35.1	12.05	11.98	11.62

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

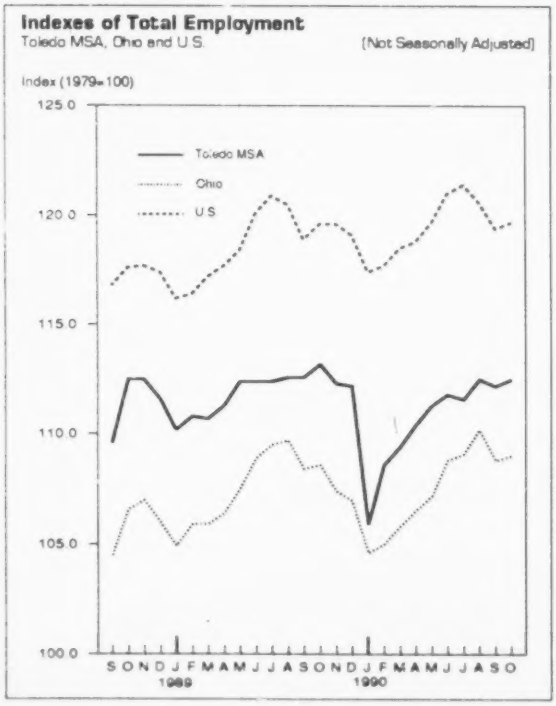
Toledo Metropolitan Statistical Area

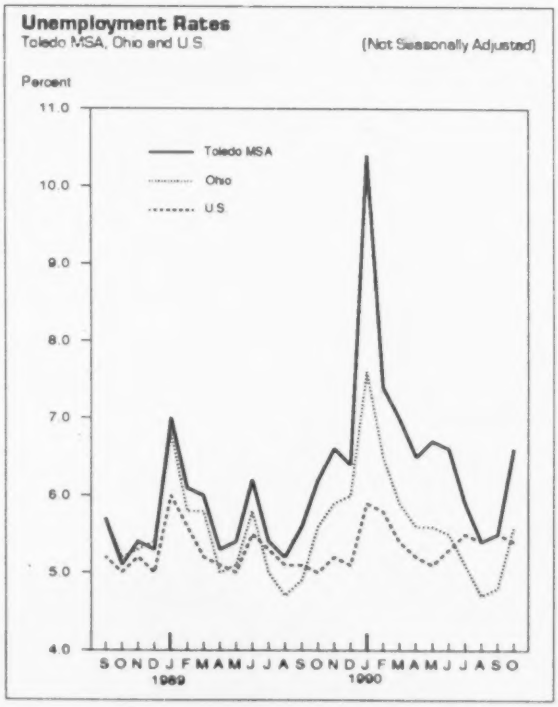


Nonfarm wage and salary employment in the Toledo metropolitan area rose 500 above the October level to 301,500 in November 1990. The workforce in service-producing industries gained 1,100 jobs. Increased hiring of temporary workers in retail trade and the return of nonfaculty personnel in local and state schools and colleges outweighed seasonal declines in services. Employment in goods-producing industries dropped 600 over the month to 72,300 due to less business in construction. Manufacturing employment was unchanged as increases in fabricated metal products counterbalanced decreases in food and kindred products. Factory production workers averaged $13.67 per hour, up 15 cents from October. Their average workweek was 0.4 hours longer at 43.5 hours.

Nonagricultural payroll employment advanced 2,200 between November 1989 and November 1990. The service-producing sector added 3,300 employees. A major portion of the improvement occurred in services (+1,800). Modest gains were posted in retail trade and wholesale trade. Scattered cutbacks in manufacturing lowered employment in goods-producing industries 1,100. Over-the-year reductions in transportation equipment, food and kindred products, and stone, clay, and glass products negated nominal growth in fabricated metal products.

Seasonally adjusted employment in the Toledo area totaled 296,000 in November 1990, on par with October. Since November 1989, total payroll employment advanced 2,000. Expansion in services and retail trade more than offset a decline in manufacturing.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
315.5	295.1	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53
318.8	297.5	21.3	6.7	May	300.1	59.6	42.9	589.37	43.4	13.58
319.9	298.7	21.2	6.6	June	299.4	60.3	43.3	585.90	43.4	13.50
316.8	298.2	18.6	5.9	July	295.2	60.0	43.1	576.09	42.8	13.46
317.9	300.7	17.2	5.4	August	294.8	60.0	43.2	584.87	43.1	13.57
317.5	299.9	17.5	5.5	September	300.8	60.7	43.9	610.94	44.4	13.76
321.9	300.6	21.3	6.6	October	301.0	59.1	42.5	582.71	43.1	13.52
INA	INA	INA	INA	November	301.5	59.1	42.4	594.65	43.5	13.67

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
298	73	13	60	May	225	15	16	60	12	78	44
299	73	13	60	June	226	15	16	61	12	78	44
298	73	13	60	July	225	14	16	60	12	79	43
298	72	13	59	August	226	14	16	61	12	79	43
298	72	13	60	September	225	14	16	60	12	79	43
296	71	12	59	October	225	15	16	60	12	79	43
296	71	12	59	November	225	15	16	60	12	79	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	301.5	301.0	299.3	.5	2.2
Goods-Producing Industries[e]	72.3	72.9	73.4	-.6	-1.1
Construction	13.0	13.5	12.9	-.6	.1
Manufacturing	59.1	59.1	60.3	0	-1.2
Durable Goods[f]	44.4	44.0	44.6	.4	-.2
Stone, Clay, and Glass Products	7.8	7.7	8.0	0	-.2
Primary Metal Industries	3.7	3.6	3.5	0	.1
Fabricated Metal Products	7.1	6.8	6.9	.3	.2
Metal Forgings and Stampings	2.5	2.2	2.6	.3	-.1
Industrial Machinery and Equipment	5.7	5.8	5.7	-.1	0
Transportation Equipment	13.2	13.2	13.9	0	-.8
Nondurable Goods[g]	14.7	15.2	15.7	-.4	-.9
Food and Kindred Products	3.5	3.9	3.9	-.4	-.4
Rubber and Miscellaneous Plastics Products	4.2	4.1	4.3	0	-.1
Service-Producing Industries	229.2	228.1	225.9	1.1	3.3
Transportation and Public Utilities	14.8	14.8	14.7	0	.1
Transportation	9.8	9.8	9.7	0	0
Communications, Electric, Gas Services	5.1	5.0	4.9	0	.1
Wholesale Trade	16.4	16.5	16.0	-.1	.4
Wholesale Trade-Durable Goods	10.8	10.9	10.6	-.1	.3
Wholesale Trade-Nondurable Goods	5.5	5.5	5.4	0	.1
Retail Trade	61.5	60.3	60.5	1.2	.9
General Merchandise Stores	9.0	8.3	9.2	.7	-.2
Finance, Insurance, and Real Estate	12.1	12.1	12.1	-.1	0
Finance	6.3	6.3	6.3	0	-.1
Insurance	3.7	3.7	3.7	0	0
Services	78.9	79.4	77.1	-.5	1.8
Business Services	13.8	13.9	13.4	-.1	.4
Personnel Supply Services	5.4	5.4	5.1	.1	.3
Health Services	28.1	28.1	27.7	0	.4
Nursing and Personal Care Facilities	4.1	4.1	4.2	0	-.1
Hospitals	15.2	15.2	15.1	0	.1
Engineering and Management Services	6.6	6.6	6.1	0	.5
Government	45.6	45.0	45.6	.6	0
Federal Government	2.6	2.6	2.7	0	-.1
State Government	17.8	17.6	17.6	.2	.2
State Government Education[h]	13.5	13.3	13.4	.2	.1
Local Government	25.3	24.9	25.3	.4	0
Local Government Education	15.2	14.8	15.0	.4	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

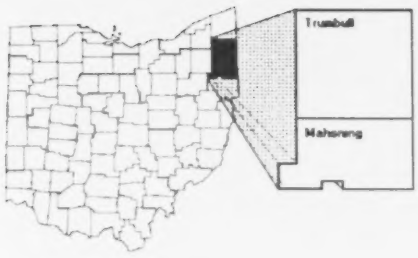
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$594.65	$582.71	$586.94	43.5	43.1	43.9	$13.67	$13.52	$13.37
Durable Goods[f]	594.78	595.81	592.18	43.1	43.3	43.8	13.80	13.76	13.52
Stone, Clay, and Glass Products	522.49	535.51	548.78	41.5	42.4	44.4	12.59	12.63	12.36
Primary Metal Industries	526.68	567.60	492.16	44.9	47.3	43.4	11.73	12.00	11.34
Fabricated Metal Products	515.68	500.63	482.54	44.0	43.8	43.2	11.72	11.43	11.17
Metal Forgings and Stampings	725.65	715.30	611.72	43.4	44.1	40.7	16.72	16.22	15.03
Industrial Machinery and Equipment	490.53	498.46	499.27	41.5	42.1	42.6	11.82	11.84	11.72
Transportation Equipment	776.91	763.98	767.05	43.5	42.8	44.7	17.86	17.85	17.16
Nondurable Goods[g]	594.94	543.15	556.70	44.8	42.6	43.8	13.28	12.75	12.71
Food and Kindred Products	773.22	649.57	617.31	49.0	44.4	44.7	15.78	14.63	13.81
Rubber and Miscellaneous Plastics Products	375.01	370.46	370.77	41.9	41.3	41.8	8.95	8.97	8.87
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	642.80	632.55	611.16	41.1	40.6	41.1	15.64	15.58	14.87
Wholesale Trade	414.00	417.35	409.70	40.0	39.9	39.7	10.35	10.46	10.32
Retail Trade[i]	169.91	169.83	165.92	26.8	27.0	27.2	6.34	6.29	6.10
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	349.90	353.69	355.28	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

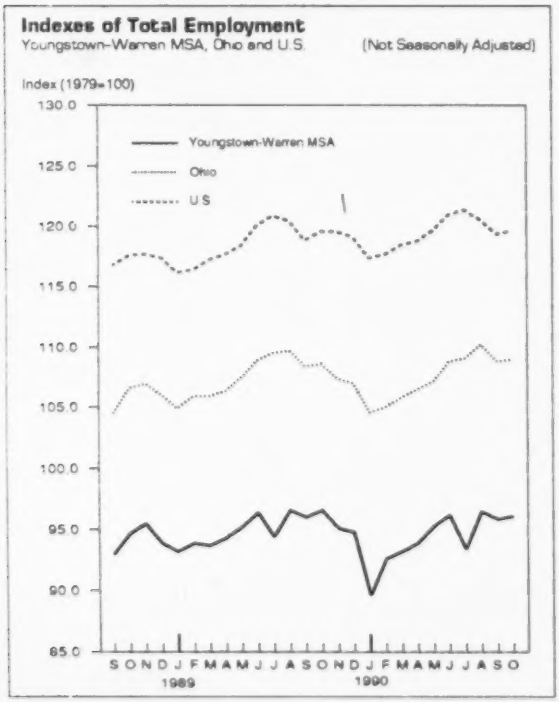
Youngstown-Warren Metropolitan Statistical Area

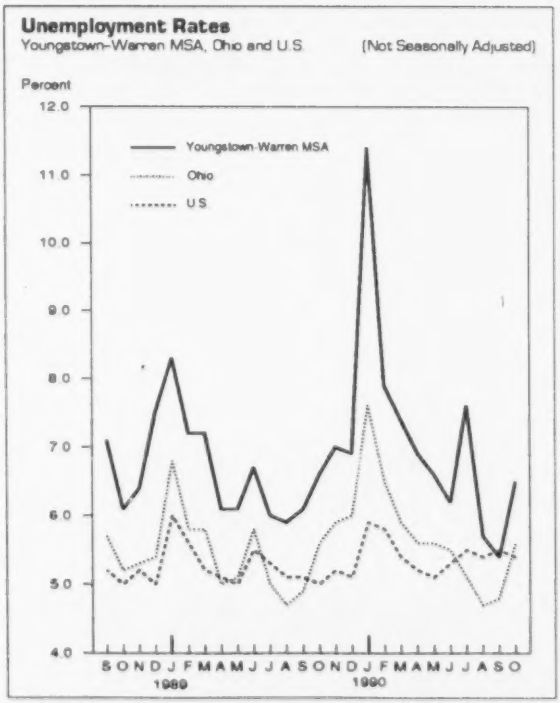


In the Youngstown-Warren metropolitan area, nonfarm payroll employment dropped 2,400 below the October level to 201,600. Temporary shutdowns in durable-goods manufacturing, especially transportation equipment and primary metal industries, and seasonal layoffs in construction lowered employment in goods-producing industries 2,500 over the month to 55,300. The number of jobs in service-producing industries increased 100 as more business in retail trade counterbalanced declines in services. Manufacturing production workers averaged $15.18 per hour, down 12 cents from October. Their average workweek of 43.3 hours was 0.1 hours shorter.

Nonagricultural wage and salary employment advanced 200 between November 1989 and November 1990. Employment in service-producing industries rose 3,200. Leading areas of expansion were retail trade (+1,500) and services (+1,200). The workforce in goods-producing industries fell 2,900 below the year-ago level due to cutbacks in durable-goods manufacturing. Significant over-the-year reductions occurred in transportation equipment (-1,500) and primary metal industries (-1,100). Construction employment posted a modest increase during the period.

Seasonally adjusted employment in the Youngstown-Warren area declined 2,000 from October to 199,000 in November 1990 due to decreased production in manufacturing. Over the year, total payroll employment was unchanged. Growth in retail trade, wholesale trade, services, and government counterbalanced the effects of current temporary shutdowns in manufacturing.





Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$ 9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
224.2	209.5	14.7	6.6	May	204.4	49.8	37.5	628.72	43.3	14.52
225.7	211.6	14.1	6.2	June	205.0	50.1	37.8	636.08	43.3	14.69
222.3	205.3	17.0	7.6	July	196.4	43.6	31.2	604.56	42.1	14.36
225.2	212.3	12.8	5.7	August	201.1	48.4	36.0	605.48	41.7	14.52
222.7	210.8	11.9	5.4	September	203.9	49.0	36.8	682.12	44.7	15.26
225.8	211.3	14.6	6.5	October	204.0	48.6	36.4	664.02	43.4	15.30
INA	INA	INA	INA	November	201.6	46.5	34.4	657.29	43.3	15.18

INA – Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
202	58	8	50	June	144	8	12	43	9	48	24
197	53	8	45	July	144	8	12	43	9	48	25
202	57	8	49	August	145	8	12	44	9	48	25
202	57	8	48	September	145	8	12	43	9	48	25
201	56	8	48	October	145	8	12	44	9	48	25
199	54	8	46	November	145	8	12	44	9	48	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	201.6	204.0	201.3	-2.4	.2
Goods-Producing Industries[e]	55.3	57.8	58.2	-2.5	-2.9
Construction	8.3	8.7	8.1	-.4	.2
Manufacturing	46.5	48.6	49.7	-2.1	-3.2
Durable Goods[f]	41.1	43.3	44.4	-2.2	-3.3
Primary Metal Industries	17.2	18.0	18.2	-.9	-1.1
Blast Furnace and Basic Steel Products	6.0	6.0	5.6	.0	.4
Fabricated Metal Products	7.3	7.3	7.4	.0	-.1
Metal Forgings and Stampings	3.9	3.9	3.9	.0	.0
Industrial Machinery and Equipment	4.1	4.1	4.3	.0	-.2
Transportation Equipment	7.8	9.1	9.2	-1.3	-1.5
Nondurable Goods[g]	5.4	5.3	5.2	.1	.1
Service-Producing Industries	146.3	146.2	143.1	.1	3.2
Transportation and Public Utilities	7.9	8.0	7.9	.0	.0
Wholesale Trade	11.8	11.8	11.5	.0	.3
Wholesale Trade-Durable Goods	7.2	7.2	7.2	.0	.0
Wholesale Trade-Nondurable Goods	4.6	4.6	4.3	.0	.3
Retail Trade	44.4	43.8	42.9	.6	1.5
General Merchandise Stores	5.6	5.3	5.7	.3	-.1
Finance, Insurance, and Real Estate	8.6	8.6	8.7	0	-.1
Finance	4.7	4.7	4.7	.0	.0
Services	48.0	48.6	46.9	-.6	1.2
Health Services	21.2	21.4	21.2	-.2	.0
Nursing and Personal Care Facilities	4.8	4.8	4.8	.0	.1
Hospitals	10.6	10.8	10.8	-.1	-.1
Government	25.5	25.4	25.2	.1	.2
State Government	4.5	4.5	4.4	.0	.1
State Government Education[h]	3.0	3.0	3.0	.0	.1
Local Government	19.0	19.0	18.7	.1	.3
Local Government Education	12.4	12.3	12.3	.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$657.29	$664.02	$617.58	43.3	43.4	43.4	$15.18	$15.30	$14.23
Durable Goods[f]	680.60	686.96	636.56	43.6	43.7	43.5	15.61	15.72	14.60
Primary Metal Industries	667.68	687.90	667.92	41.6	42.7	42.3	16.05	16.11	15.79
Blast Furnace and Basic Steel Products	690.11	690.58	646.20	47.3	47.3	45.7	14.59	14.60	14.14
Fabricated Metal Products	707.59	716.77	618.27	45.3	45.8	44.9	15.62	15.65	13.77
Metal Forgings and Stampings	915.32	925.54	735.24	49.0	49.6	46.3	18.68	18.66	15.88
Industrial Machinery and Equipment	519.58	516.25	534.32	41.7	41.3	43.3	12.46	12.50	12.34
Transportation Equipment	865.67	827.31	733.91	48.2	46.4	46.1	17.96	17.83	15.92
Nondurable Goods[g]	443.06	431.07	424.15	41.1	40.4	41.3	10.78	10.67	10.27
Wholesale Trade	384.29	380.90	380.81	38.2	37.9	38.7	10.06	10.05	9.84
Retail Trade[i]	179.69	179.40	182.47	26.9	27.1	27.9	6.68	6.62	6.54
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	229.61	234.41	218.56	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
In the Hamilton-Middletown metropolitan area, nonagricultural payroll employment totaled 98,100 in November 1990, up 100 from the October level. Seasonal hiring in retail trade raised employment in service-producing industries 300. Employment in goods-producing industries, at 27,300, declined 100 over the month. Construction and mining lost 100 jobs. Manufacturing employment was unchanged as increased production in primary metal industries negated the effect of a labor-management dispute in industrial machinery and equipment. Manufacturing production workers averaged $14.46 per hour, up 7 cents from October. Their average workweek was 0.2 hours shorter at 46.1 hours. Nonfarm wage and salary employment advanced 1,400 between November 1989 and November 1990. Service-producing industries added 2,400 jobs. Notable improvements occurred in local and state government, retail trade, services, and transportation and public utilities. Employment in the goods-producing sector fell 1,000 over the year as a result of decreased production among manufacturers of durable and nondurable goods, especially industrial machinery and equipment and paper and allied products. Construction and mining showed nominal growth.

Lima MSA
Nonagricultural payroll employment in the Lima metropolitan area rose 100 from the October level to 75,400 in November 1990. The service-producing sector added 300 jobs primarily due to more business in retail trade. Declines in construction and mining outweighed nominal growth in manufacturing to lower employment in goods-producing industries 100 over the month to 26,400. Increased production in transportation equipment and fabricated metal products more than offset seasonal decreases in food and kindred products. Factory production workers averaged $13.48 per hour, up 21 cents from October. Their average workweek of 42.7 hours was 0.6 hours longer. Nonfarm wage and salary employment advanced 1,600 between November 1989 and November 1990. Employment in service-producing industries increased 2,300 over the year. Noteworthy expansion was posted in services and retail trade. Cutbacks in durable-goods manufacturing lowered employment in goods-producing industries 700. Reductions in transportation equipment and industrial machinery and equipment outweighed gains in fabricated metal products and food and kindred products. Slight improvements were posted in construction and mining.

Lorain–Elyria PMSA
Nonfarm wage and salary employment in the Lorain-Elyria metropolitan area fell 4,000 from the October level to 90,200 in November 1990. Temporary shutdowns in manufacturing, especially transportation equipment, lowered employment in goods-producing industries 3,800 over the month to 29,200. The service-producing sector lost 300 jobs due to decreases in services. Manufacturing production workers averaged $12.79 per hour, down 67 cents from October. Their average workweek was 0.5 hours longer at 43.2 hours. Nonagricultural payroll employment declined 1,500 between November 1989 and November 1990. The workforce in goods-producing industries dropped 2,400 chiefly due to current production cutbacks in durable-goods manufacturing, particularly transportation equipment. Expansion in retail trade and local government raised employment in service-producing industries 900 over the year.

Mansfield MSA
In the Mansfield metropolitan area, nonfarm wage and salary employment totaled 59,500 in November 1990, down 100 from the October level. Reductions in construction and mining lowered employment in goods-producing industries 100 to 19,900. Employment in the service-producing sector was unchanged over the month. Increased hiring of temporary employees in retail trade and an increase in nonteaching personnel in local schools counterbalanced seasonal decreases in services. Manufacturing production workers averaged $13.96 per hour, down 10 cents from October. Their average workweek of 41.2 hours was 0.7 hours shorter. Nonagricultural payroll employment declined 700 between November 1989 and November 1990. The workforce in goods-producing industries decreased 600 due to over-the-year production cutbacks among manufacturers of durable goods, especially electronic and other electric equipment and fabricated metal products. Service-producing industries lost 100 jobs during the period. Declines in local government and finance, insurance, and real estate negated expansion in retail trade.

Steubenville–Weirton MSA
Nonagricultural payroll employment in the Steubenville-Weirton metropolitan area totaled 54,000 in November 1990, up 100 from October. Employment in service-producing industries rose 400. Improvements in retail trade, services, and local schools outweighed nominal declines in transportation and public utilities. Seasonal layoffs in construction and reductions in durable-goods manufacturing, especially primary metal industries, lowered goods-producing industries 300 over the month to 20,400. Factory production workers averaged $11.66 per hour, up 10 cents from October. Their average workweek was 0.7 hours longer at 43.7 hours. Nonfarm wage and salary employment advanced 1,900 between November 1989 and November 1990. The service-producing sector contributed 73.7 percent of the increase. Leading growth industries were services, local government, and retail trade. The workforce in goods-producing industries increased 500 over the year due to expansion in construction. Manufacturing employment was unchanged from the year-ago level as cutbacks among producers of durable goods, particularly primary metal industries, offset improvements in nondurable goods.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	133.2	132.1	133.6	1.1	-.5
Employment	125.3	125.6	125.8	-.3	-.6
Unemployment	7.9	6.5	7.8	1.4	.1
Unemployment Rate	5.9	4.9	5.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	98.1	97.9	96.7	.1	1.4
Goods–Producing Industries	27.3	27.4	28.3	-.1	-1.0
Construction and Mining	6.1	6.2	5.8	-.1	.2
Manufacturing	21.2	21.2	22.5	.0	-1.2
Durable Goods	14.5	14.5	15.6	.0	-1.1
Primary Metal Industries	7.1	6.9	7.2	.3	-.1
Fabricated Metal Products	2.4	2.4	2.5	.0	-.1
Industrial Machinery and Equipment	2.0	2.3	2.5	-.2	-.4
Nondurable Goods	6.7	6.6	6.9	.0	-.2
Paper and Allied Products	4.7	4.7	4.9	.0	-.3
Paper Mills	3.4	3.4	3.7	.0	-.3
Service–Producing Industries	70.8	70.5	68.4	.3	2.4
Transportation and Public Utilities	3.6	3.5	3.3	.1	.3
Wholesale Trade	5.8	5.7	5.7	.0	.1
Wholesale Trade–Durable Goods	4.0	4.0	3.9	.0	.1
Retail Trade	18.2	17.9	17.5	.3	.7
Food Stores	3.0	3.0	3.0	.0	.0
Finance, Insurance, and Real Estate	4.6	4.6	4.7	.0	-.2
Services	19.5	19.6	19.1	-.1	.5
Health Services	8.8	8.7	8.3	.0	.5
Government	19.2	19.2	18.1	.0	1.1
State Government (Includes Education)	8.0	8.0	7.7	.1	.4
Local Government	10.5	10.6	9.8	-.1	.7
Local Government Education	7.0	7.1	6.4	-.1	.7

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$666.61	$666.26	$590.50	46.1	46.3	44.6	$14.46	$14.39	$13.24
Durable Goods	695.83	695.53	593.61	46.7	46.9	44.2	14.90	14.83	13.43
Primary Metal Industries	772.97	802.03	646.07	48.1	49.6	44.1	16.07	16.17	14.65
Fabricated Metal Products	579.04	577.72	521.59	44.0	43.9	43.0	13.16	13.16	12.13
Industrial Machinery and Equipment	613.07	619.78	654.31	46.2	46.6	50.1	13.27	13.30	13.06
Nondurable Goods	596.30	593.60	588.16	44.7	44.8	45.7	13.34	13.25	12.87
Paper and Allied Products	634.23	625.94	615.80	46.6	46.4	46.9	13.61	13.49	13.13
Paper Mills	613.28	604.70	619.49	44.7	44.3	46.3	13.72	13.65	13.38
Wholesale Trade	437.72	427.18	431.39	41.1	40.8	41.6	10.65	10.47	10.37
Retail Trade[f]	180.41	176.25	166.44	28.5	27.8	28.5	6.33	6.34	5.84

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	79.7	79.6	78.6	.2	1.1
Employment	74.0	74.8	73.2	-.8	.8
Unemployment	5.7	4.7	5.4	1.0	.4
Unemployment Rate	7.2	6.0	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	75.4	75.2	73.8	.1	1.6
Goods-Producing Industries	26.4	26.5	27.1	-.1	-.7
Construction and Mining	3.4	3.7	3.3	-.2	.1
Manufacturing	23.0	22.9	23.8	.1	-.8
Durable Goods	16.6	16.4	17.5	.2	-.9
Fabricated Metal Products	3.0	2.9	2.8	.1	.2
Industrial Machinery and Equipment	3.9	3.9	4.2	.0	-.3
Transportation Equipment	7.2	6.9	7.6	.3	-.4
Motor Vehicles and Equipment	3.6	3.3	3.6	.2	-.1
Nondurable Goods	6.4	6.5	6.3	-.1	.1
Food and Kindred Products	1.9	2.0	1.8	-.1	.1
Rubber and Miscellaneous Plastics Products	2.1	2.2	2.1	.0	.0
Service-Producing Industries	49.0	48.7	46.7	.3	2.3
Transportation and Public Utilities	3.3	3.3	3.1	.0	.2
Wholesale Trade	3.5	3.5	3.5	.0	.0
Retail Trade	14.9	14.7	14.2	.2	.7
General Merchandise Stores	2.5	2.3	2.2	.2	.3
Finance, Insurance, and Real Estate	2.1	2.1	2.0	.0	.0
Services	15.5	15.5	14.4	.0	1.2
Health Services	6.8	6.7	6.4	.1	.4
Hospitals	3.2	3.2	3.0	.0	.1
Government	9.7	9.6	9.5	.0	.2
Local Government	7.2	7.2	7.1	.0	.2
Local Government Education	4.4	4.4	4.3	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$575.60	$558.67	$563.25	42.7	42.1	42.8	$13.48	$13.27	$13.16
Durable Goods	572.12	561.38	559.40	42.6	42.4	42.8	13.43	13.24	13.07
Fabricated Metal Products	363.37	377.73	370.66	40.6	41.6	41.6	8.95	9.08	8.91
Industrial Machinery and Equipment	488.78	482.47	464.46	42.1	41.7	40.6	11.61	11.57	11.44
Transportation Equipment	728.56	715.14	697.60	43.6	43.5	43.6	16.71	16.44	16.00
Motor Vehicles and Equipment	834.48	809.86	780.78	45.7	45.6	45.5	18.26	17.76	17.16
Nondurable Goods	586.52	550.94	575.72	43.0	41.3	42.9	13.64	13.34	13.42
Food and Kindred Products	409.10	378.02	373.73	43.2	41.0	40.8	9.47	9.22	9.16
Rubber and Miscellaneous Plastics Products	645.13	625.07	578.87	45.4	44.3	44.7	14.21	14.11	12.95
Wholesale Trade	377.30	368.05	376.35	38.5	38.1	38.6	9.80	9.66	9.75
Retail Trade[f]	182.54	181.10	190.28	29.3	29.4	30.3	6.23	6.16	6.28
General Merchandise Stores	174.78	179.20	159.38	28.1	28.4	26.3	6.22	6.31	6.06

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[i]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	118.6	118.6	118.8	.0	-.2
Employment	110.9	111.2	108.7	-.3	2.2
Unemployment	7.7	7.4	10.1	.4	-2.4
Unemployment Rate	6.5	6.2	8.5		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	90.2	94.2	91.6	-4.0	-1.5
Goods–Producing Industries	29.2	32.9	31.5	-3.8	-2.4
Construction and Mining	4.5	4.5	4.4	.0	.1
Manufacturing	24.7	28.4	27.2	-3.7	-2.5
Durable Goods	19.7	23.4	22.5	-3.7	-2.8
Primary Metal Industries	4.3	4.3	4.2	.0	.2
Fabricated Metal Products	4.1	4.1	4.3	.0	-.3
Transportation Equipment	3.8	7.6	6.5	-3.8	-2.7
Nondurable Goods	5.0	5.0	4.7	.0	.4
Service–Producing Industries	61.0	61.3	60.1	-.3	.9
Transportation and Public Utilities	3.5	3.5	3.5	.0	.0
Wholesale Trade	2.4	2.4	2.4	.0	.1
Retail Trade	17.5	17.5	17.0	.1	.5
Finance, Insurance, and Real Estate	3.3	3.3	3.2	.0	.0
Services	20.6	20.9	20.7	-.4	-.2
Health Services	8.6	8.7	8.5	.0	.2
Hospitals	4.1	4.1	4.1	.0	.0
Government	13.8	13.7	13.3	.1	.5
Local Government	11.7	11.6	11.4	.1	.4
Local Government Education	8.0	7.9	7.8	.1	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$552.53	$574.74	$527.02	43.2	42.7	41.4	$12.79	$13.46	$12.73
Durable Goods	589.16	607.50	549.12	44.0	43.3	41.6	13.39	14.03	13.20
Primary Metal Industries	682.34	680.36	582.12	46.8	46.6	42.0	14.58	14.60	13.86
Fabricated Metal Products	427.55	440.63	420.88	42.5	43.8	43.3	10.06	10.06	9.72
Transportation Equipment	701.79	693.89	639.94	41.6	41.7	39.6	16.87	16.64	16.16
Nondurable Goods	395.00	398.56	407.43	39.5	39.5	40.5	10.00	10.09	10.06
Wholesale Trade	374.57	372.10	360.24	38.3	38.6	38.0	9.78	9.64	9.48
Retail Trade[f]	159.00	164.43	160.37	25.4	26.1	25.7	6.26	6.30	6.24

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	65.1	64.7	66.3	.5	-1.2
Employment	59.6	59.9	61.6	-.3	-1.9
Unemployment	5.5	4.7	4.7	.8	.8
Unemployment Rate	8.5	7.3	7.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	59.5	59.6	60.2	-.1	-.7
Goods-Producing Industries	19.9	20.0	20.6	-.1	-.6
Construction and Mining	2.3	2.3	2.2	-.1	.1
Manufacturing	17.7	17.7	18.4	.0	-.7
Durable Goods	15.7	15.7	16.4	.0	-.7
Fabricated Metal Products	5.3	5.3	5.6	.1	-.2
Electronic and Other Electric Equipment	3.0	3.0	3.4	.0	-.4
Nondurable Goods	2.0	2.0	2.0	.0	.0
Service-Producing Industries	39.5	39.6	39.6	.0	-.1
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	2.2	2.2	2.2	.0	.0
Retail Trade	12.2	12.2	11.9	.1	.3
Finance, Insurance, and Real Estate	2.3	2.3	2.4	.0	-.1
Services	12.5	12.7	12.5	-.2	.0
Health Services	4.5	4.5	4.4	.0	.1
Government	7.3	7.2	7.5	.1	-.2
Local Government	5.5	5.4	5.8	.1	-.2
Local Government Education	4.1	4.0	4.0	.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$575.15	$589.11	$548.14	41.2	41.9	42.1	$13.96	$14.06	$13.02
Durable Goods	592.42	610.49	563.68	40.8	41.7	41.6	14.52	14.64	13.55
Fabricated Metal Products	698.54	746.83	700.99	39.2	40.9	41.9	17.82	18.26	16.73
Electronic and Other Electric Equipment	479.83	458.43	457.80	42.5	41.6	42.0	11.29	11.02	10.90
Nondurable Goods	413.32	398.85	392.56	44.3	43.4	45.7	9.33	9.19	8.59
Wholesale Trade	336.80	327.55	318.94	40.0	39.8	38.8	8.42	8.23	8.22
Retail Trade[f]	173.99	171.08	160.11	27.4	26.9	27.0	6.35	6.36	5.93

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	57.5	57.0	57.6	.5	.0
Employment	53.7	53.4	53.7	.3	.0
Unemployment	3.8	3.6	3.9	.2	-.1
Unemployment Rate	6.6	6.4	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	54.0	53.9	52.1	.1	1.9
Goods–Producing Industries	20.4	20.6	19.9	-.3	.5
Mining	1.0	1.0	1.0	.0	.0
Construction	2.0	2.2	1.5	-.2	.5
Manufacturing	17.3	17.5	17.4	-.1	.0
Durable Goods	15.6	15.8	15.9	-.2	-.3
Primary Metal Industries	12.4	12.5	12.5	-.2	-.1
Nondurable Goods	1.7	1.7	1.5	.0	.2
Service–Producing Industries	33.6	33.3	32.3	.4	1.4
Transportation and Public Utilities	3.3	3.4	3.3	-.1	.0
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.7	9.5	9.4	.2	.3
General Merchandise Stores	1.9	1.8	1.9	.1	.0
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	11.2	11.2	10.6	.1	.6
Health Services	4.7	4.7	4.5	.0	.1
Hospitals	2.4	2.5	2.4	-.1	.0
Government	6.4	6.3	5.9	.1	.4
Local Government	5.5	5.4	5.1	.1	.4
Local Government Education	3.5	3.4	3.3	.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$509.54	$497.08	$553.11	43.7	43.0	45.3	$11.66	$11.56	$12.21
Durable Goods	536.98	523.73	579.54	44.6	43.9	46.4	12.04	11.93	12.49
Primary Metal Industries	566.91	555.72	618.32	45.1	44.6	47.6	12.57	12.46	12.99
Nondurable Goods	227.98	212.73	193.13	34.7	33.5	31.1	6.57	6.35	6.21
Wholesale Trade	337.85	333.78	333.59	39.7	39.5	39.2	8.51	8.45	8.51
Retail Trade[f]	167.68	167.48	163.80	27.9	27.5	28.0	6.01	6.09	5.85

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods-Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service-Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	November 1990	October 1990	November 1989
New Applicants	28,229	33,373[a]	32,748
Applicants Active This Program Year	372,537	341,416	440,405
Counseling Interviews	788	765[a]	1,029
Tests Administered	711	1,123[a]	1,152
General Aptitude Tests	183	222[a]	138
Proficiency Tests	283	325	242
Specific Aptitude Tests	0	0	98
Referrals to Jobs	16,479	23,541	20,039
Placements	3,401	5,207	4,163
Job Openings Received	INA	INA	8,086
Job Openings Unfilled	18,234	20,365	18,544

INA – Information not available
[a] Revised

Selected Unemployment Insurance Activities

	Ohio		
	November 1990	October 1990	November 1989
Initial Claims	93,512	71,006	75,837
Continued Claims	399,633	362,692	345,699
First Payments	31,901	25,485	25,350
Last Payments	6,079	5,654	4,909
Average Weekly Claimants	88,898	75,216	74,713
Average Weekly Benefit Recipients	71,653	61,326	59,052
Weeks Compensated	332,705	277,397	281,033
Benefits Paid	$55,834,286	$46,233,956	$44,824,543
Average Weekly Payment	$172.22	$171.02	$168.20
Continued Claims for Survey Week	102,460	72,331	78,602
Insured Unemployment Rate	1.9	1.6	1.6
Net Contributions	$69,450,188	$28,147,539	$82,242,707
Active Employer Accounts	207,403	207,158	206,038

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